CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, February 21, 1907.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S.) and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close.	Work.	Place.	On file.	See issue
Feb. 25	Lighting, etc.	Washington, D. C.	S. & B. S.	1-24
28	Boilers & stokers	Wash., D. C.	S. & B. S.	2-21
Mar.				
*1	Pipe, etc.	Winnipeg, Man.	S. & B. S.	1- 3
*1	Vit. paving	St. Clairsville, Ohio	S.	2- 7
*5	Canals & ditches, Williston, N. Dak.		P., S. & B. S.	2- 7
*12	Canals	Huntley, Mont.	P., S. & B. S.	2- 7
*15	Dam	Great Falls, Mont.	P., S. & B. S.	2- 7
18	Sewers	Burlington, Iowa	P., S. & B. S.	1-10
23	Officers' quarters	Charleston, S.C.	S.	2-21
30	Capstans	Norfolk, Va.	S.	2-21
30	Capstans	Charleston, S. C.	S.	2-21

*Work advertised in Engineering News.

LIST OF CONTRACTS PENDING.

LIGHT, HEAT AND POWER PLANTS.

Feb. 25. **Conduit, etc., Superior, Wis.** ..... Feb. 7
Feb. 25. **Lighting, etc., Washington, D. C.** ..... Jan. 24
Feb. 25. **Electrical equipment, New York, N. Y.** .. Feb. 14
Feb. 25. Lighting, Secaucus, N. J. ..... Feb. 21
Feb. 26. Engine, Pasadena, Cal. ..... Feb. 21
Feb. 26. Gas lighting, Buffalo, N. Y. ..... Feb. 14
Feb. 27. **Power-house fittings, Indianapolis, Ind.** .. Feb. 14
Feb. 27. Boilers, etc., Indianapolis, Ind. ..... Feb. 21
Feb. 28. Lighting, Hudson, N. Y. ..... Feb. 21
Feb. 28. Boilers and stokers, Washington, D. C. .. Feb. 21
Feb. 28. Dam and power-house, Streetsville, Ont. Feb. 14
Mar. 5. Electric lighting, Holton, Kan. ..... Feb. 21
Mar. 7. Lighting, Natchez, Miss. ..... Dec. 20
Advertised, Eng. News, Dec. 20 and 27.
Mar. 12. **Power plant, Washington, D. C.** ..... **Feb. 7**
Advertised, Eng. News, Feb. 7 to 21.

BRIDGES.

Feb. 21. Ice breakers, Des Moines, Iowa ..... Feb. 14
Feb. 23. Bridge, Dayton, Ohio ..... Feb. 14
Feb. 25. Bridge, Kansas City, Mo. ..... Feb. 14
Feb. 25. Bridge floor, Washington C. H., Ohio .... Feb. 14
Feb. 25. **Bridge and bridge repair, Binghamton, N. Y.** ..... **Feb. 7**
Advertised, Eng. News, Feb. 7 and 14.
Feb. 25. Reflooring, Jefferson, Ohio ..... Jan. 31
Feb. 25. Bridge, Daggett, Cal. ..... Jan. 31
Feb. 26. Bridges, Madison, Neb. ..... Feb. 14
Feb. 26. Culvert, Kansas City, Mo. ..... Feb. 21
Feb. 26. Superstructures, etc., Sault Ste. Marie, Mich. ..... Feb. 21
Feb. 28. Raising bridge, Crookston, Minn. ..... Feb. 14
Mar. 1. Bridge, Cincinnati, Ohio ..... Feb. 14
Mar. 1. Viaduct, Louisville, Ky. ..... Feb. 14
Mar. 2. Replanking, Cleveland, Ohio ..... Feb. 21
Mar. 4. Bridge and culvert, Leavenworth, Kan. . Feb. 21
Mar. 5. Bridge, Hollister, Cal. ..... Feb. 21
Mar. 5. Bridges, Paola, Kan. ..... Feb. 21
Mar. 5. Bridge, Hawkinsville, Ga. ..... Feb. 21
Mar. 6. Culverts, etc., Cleveland, Ohio ..... Feb. 21
Mar. 13. Superstructure, Camden, N. J. ..... Feb. 21
Advertised, Eng. News, Feb. 21 to Mar. 7.
Mar. 18. Aqueduct, New York, N. Y. ..... Feb. 21
Advertised, Eng. News, Feb. 21 to Mar. 7.
Apr. 1. Bridges, Salinas, Cal. ..... Feb. 21
Apr. 1. Bridge, Greenwood, Miss. ..... Jan. 31

BUILDINGS.

Feb. 23. **Hospital, Washington, D. C.** ..... **Feb. 7**
Advertised, Eng. News, Feb. 7 and 14.
Feb. 25. Coliseum, Indianapolis, Ind. ..... Feb. 7
Feb. 25. **Metal working machinery, etc., Fort Hancock, N. J.** ..... **Jan. 31**
Advertised, Eng. News, Jan. 31 to Feb. 21.
Feb. 25. Public buildings, Owen Sound, Ont. .... Feb. 21
Feb. 26. Building stone, Lansing, Mich. ..... Feb. 21
Feb. 26. **Building stone, Madison, Wis.** ..... **Jan. 31**
Advertised, Eng. News, Jan. 31 and Feb. 7.
Feb. 27. Elevator, Ogden, Utah ..... Feb. 14
Mar. 1. Y. M. C. A. building, Norfolk, Va. ..... Feb. 14
Mar. 1. Plumbing, etc., New York, N. Y. ..... Feb. 14
Mar. 1. Designs, Trenton, N. J. ..... Feb. 14
Mar. 4. Leper hospital, Hawaii ..... Feb. 7
Mar. 4. Door frames, etc., Washington, D. C. . Feb. 21
Advertised, Eng. News, Feb. 21 and 28.
Mar. 4. School, New York, N. Y. ..... Feb. 21
Mar. 4. Heating, etc., New York, N. Y. ..... Feb. 21
Mar. 5. Interior finish, Cleveland, Ohio ..... Jan. 31
Advertised, Eng. News, Jan. 31.
Mar. 14. Post-office, etc., Spokane, Wash. ..... Feb. 7
Mar. 21. Post-office, Owosso, Mich. ..... Feb. 21
Advertised, Eng. News, Feb. 21 and 28.
Mar. 23. Officers' quarters, Charleston, S. C. .... Feb. 21
Mar. 23. Post-office, Green Bay, Wis. ..... Feb. 21
Advertised, Eng. News, Feb. 21 and 28.
Feb. 26. Engine-house, New York, N. Y. ..... Feb. 21
Apr. 1. Buildings, North Chicago, Ill. ..... Feb. 21
Apr. 3. Plumbing fixtures, Washington, D. C. .. Feb. 14
Advertised, Eng. News, Feb. 14 to Mar. 7.

WATER SUPPLY AND IRRIGATION.

Feb. 21. Cast-iron pipe and castings, Berlin, Ont. Feb. 14
Feb. 23. Hydrants, Asbury Park, N. J. ..... Feb. 14
Advertised, Eng. News, Feb. 14.
Feb. 25. Water mains and sewers, Hastings, Minn. Feb. 14
Feb. 25. Tank, etc., Philadelphia, Pa. ..... Feb. 14
Feb. 26. Pressure pipe, etc., Seattle, Wash. .... Jan. 31
Feb. 26. Artesian well, Pierre, S. Dak. ..... Feb. 7
Feb. 26. Cast-iron pipe, etc., Buffalo, N. Y. ..... Feb. 21
Feb. 27. Hydrants, etc., New York, N. Y. ..... Feb. 21
Feb. 27. **Dike, Crawford, Neb.** ..... **Jan. 17**
Advertised, Eng. News, Jan. 17 to Feb. 20.
Feb. 28. Water mains, Salt Lake City, Utah .... Feb. 7
Advertised, Eng. News, Feb. 7 and 14.
Mar. 1. Pipe and specials, Winnipeg, Man. ..... Dec. 20
Advertised, Eng. News, Dec. 20 to Feb. 21.
Mar. 2. Hydrants, Washington, D. C. ..... Jan. 31
Mar. 2. Cast-iron pipe, Springfield, Mass. ..... Feb. 21
Advertised, Eng. News, Feb. 21.
Mar. 4. Water-works and sewers, Rolla, Mo. ... Feb. 21
Advertised, Eng. News, Feb. 21 and 28.
Mar. 5. Water-works, Boston, Mass. ..... Feb. 21
Mar. 5. Ditches, Storm Lake, Iowa ..... Feb. 21
Mar. 5. Water-works, Decatur, Ga. ..... Feb. 21
Advertised, Eng. News, Feb. 21 and 28.
Mar. 7. Drain, Rockwell City, Iowa ..... Feb. 21
Mar. 7. Water mains, New York, N. Y. ..... Feb. 21
Mar. 5. Canals and ditches, Washington, D. C. . Jan. 10
Advertised, Eng. News, Jan. 10 to Feb. 14.
Mar. 7. Distributing system, Ft. Monroe, Va. ... Feb. 7
Advertised, Eng. News, Feb. 7 to 28.
Mar. 7. Water mains, Salt Lake City, Utah ..... Feb. 7
Advertised, Eng. News, Feb. 7 and 14.
Mar. 7. Chimney, Yonkers, N. Y. ..... Feb. 14
Advertised, Eng. News, Feb. 14.
Mar. 7. Water-works, Fort Monroe, Va. ..... Feb. 14
Mar. 12. Canals, Huntley, Mont. ..... Jan. 17
Advertised, Eng. News, Jan. 17 to Feb. 7.
Mar. 12. Cement, Huntley, Mont. ..... Feb. 21
Advertised, Eng. News, Feb. 21 to Mar. 7.
Mar. 13. Remodeling pumping station, etc., New York, N. Y. ..... Feb. 21
Mar. 15. Hydrants, St. Boniface, Man. ..... Feb. 21
Mar. 15. Dam, Great Falls, Mont. ..... Feb. 7
Advertised, Eng. News, Feb. 7 to Mar 7.
Mar. 19. Pumping plant, California City Point, Cal. Feb. 14
Mar. 20. Water-works, etc., Saskatoon, Alta. ..... Feb. 21
Mar. 30. Water tank and tower, Washington, D. C. Feb. 21
Advertised, Eng. News, Feb. 21 and 28.
Apr. 3. Canals, etc., Great Falls, Mont. ..... Feb. 14
Advertised, Eng. News, Feb. 14 to Mar. 21.
Apr. 3. Ditches, Parker, S. Dak. ..... Feb. 21
Apr. 10. Canal, Belle Fourche, S. Dak. ..... Feb. 21
Advertised, Eng. News, Feb. 21 and 28.
Apr. 15. Canal, Portland, Ore. ..... Feb. 21
Advertised, Eng. News, Feb. 21 to Mar. 14.

SEWERAGE.

Feb. 21. **Drains and ditches, Fort Dodge, Iowa** .. **Jan. 24**
Feb. 25. Sewers, Hastings, Minn. ..... Feb. 7
Feb. 25. Sewerage pumping station, Pittsburg, Pa. Feb. 21
Feb. 27. Sewer, Brooklyn, N. Y. ..... Feb. 14
Feb. 28. Sewers, etc., Ravenna, Ohio ..... Feb. 14
Feb. 28. Sewers, Salt Lake City, Utah ..... Feb. 7
Advertised, Eng. News, Feb. 7 and 14.
Feb. 28. Sewers, Orangeburg, S. C. ..... Jan. 31
Advertised, Eng. News, Jan. 31 to Feb. 21.
Mar. 4. Sewer, Willoughby, Ohio ..... Feb. 14
Mar. 4. Sewers, Washington, D. C. ..... Feb. 21
Advertised, Eng. News, Feb. 21 and 28.
Mar. 5. Sewers, Fairbury, Neb. ..... Feb. 21
Mar. 6. Sewers, Ann Harbor, Mich. ..... Feb. 21
Mar. 9. Sewers, Scranton, Pa. ..... Feb. 21
Mar. 10. Sewer, Lima, Ohio ..... Feb. 21
Mar. 11. Septic tank, Aberdeen, S. Dak. ..... Feb. 14
Mar. 12. Sewer, Sayre, Pa. ..... Feb. 14
Advertised, Eng. News, Feb. 14 to 28.
Mar. 12. Sewers, etc., National Home, Wis. ..... Feb. 21
Mar. 14. Sewer, St. Bernard, Ohio ..... Feb. 21
Mar. 18. Sewers, Burlington, Iowa ..... Dec. 27
Advertised, Eng. News, Dec. 27.
Mar. 20. Sewers, White Plains, N. Y. ..... Feb. 21
Advertised, Eng. News, Feb. 21 to Mar. 14.
Apr. 2. Sewer, Crowley, La. ..... Feb. 21

STREETS AND ROADS.

Feb. 21. Paving, Youngstown, Ohio ..... Feb. 14
Feb. 21. State highway, Columbus, Ohio ..... Feb. 7
Feb. 21. Paving, Jefferson, Wis. ..... Feb. 7
Feb. 22. Sidewalks, Bluffton, Ind. ..... Feb. 14
Feb. 23. Paving, Racine, Wis. ..... Feb. 7
Feb. 23. Roads, Terre Haute, Ind. ..... Feb. 7
Feb. 25. Paving, Tyler, Tex. ..... Feb. 7
Feb. 25. Grading, etc., Nonessen, Pa. ..... Jan. 31
Advertised, Eng. News, Jan. 31 and Feb. 7.
Feb. 25. **Paving, etc., Mamaroneck, N. Y.** ..... **Feb. 14**
Advertised, Eng. News, Feb. 14 and 21.
Feb. 25. Sidewalks, Des Moines, Iowa ..... Feb. 21
Feb. 25. Improving road, Peoria, Ill. ..... Feb. 21
Feb. 26. Paving, etc., Dayton, Ohio ..... Feb. 21
Feb. 26. Sidewalk, Oakley, Ohio ..... Feb. 21
Feb. 26. Grading, etc., New York, N. Y. ..... Feb. 14
Feb. 26. State highway, Columbus, Ohio ..... Feb. 7
Feb. 27. State highway, Columbus, Ohio ..... Feb. 7
Feb. 27. Grading, etc., McKeesport, Pa. ..... Feb. 14
Feb. 27. Sidewalks, etc., New York, N. Y. ..... Feb. 21
Feb. 27. Grading, etc., Mt. Gilead, Ohio ..... Feb. 21
Feb. 28. State highway, Columbus, Ohio ..... Feb. 7
Feb. 28. **Sidewalks, Salt Lake City, Utah** ..... **Feb. 7**
Advertised, Eng. News, Feb. 7 and 14.
Feb. 28. Asphalt, Winnipeg, Man. ..... Feb. 7
Advertised, Eng. News, Feb. 7 and 14.
Feb. 28. Asphalt, Winnipeg, Man. ..... Jan. 31
Feb. 28. **Paving, Corning, N. Y.** ..... **Jan. 24**
Advertised, Eng. News, Jan. 24 to Feb. 7.
Mar. 1. Vitrified paving, St. Clairsville, Ohio .... Feb. 7
Advertised, Eng. News, Feb. 7.
Mar. 1. **Improving streets, Corvallis, Ore.** ..... **Jan. 10**
Mar. 1. Road work, Waterloo, Iowa ..... Feb. 21
Mar. 3. Road work, Palo Alto, Iowa ..... Feb. 21
Mar. 4. Gravel roads, Decatur, Ind. ..... Feb. 21
Mar. 4. Paving, Port Clinton, Ohio ..... Feb. 21
Mar. 4. Paving, Kalamazoo, Mich. ..... Feb. 21
Advertised, Eng. News, Feb. 21.
Mar. 4. Paving, etc., Goshen, Ind. ..... Feb. 7
Mar. 4. Macadam, etc., Annapolis, Md. ..... Feb. 14
Mar. 5. Highway, Wooster, Ohio ..... Feb. 14
Mar. 5. Gravel roads, Vincennes, Ind. ..... Feb. 21
Mar. 5. Macadam, Somerville, N. J. ..... Feb. 21
Advertised, Eng. News, Feb. 21 to Mar. 7.
Mar. 6. Highway, Akron, Ohio ..... Feb. 21
Mar. 6. Paving, etc., New York, N. Y. ..... Feb. 21
Mar. 7. Gravel road, Brazil, Ind. ..... Feb. 21
Mar. 7. Highway, Newark, Ohio ..... Feb. 21
Mar. 7. Gravel, etc., New York, N. Y. ..... Feb. 21
Mar. 7. Paving, etc., Two Rivers, Wis. ..... Feb. 14
Mar. 8. Gravel road, Princeton, Ind. ..... Feb. 14
Mar. 8. **Curbs and gutters, Valparaiso, Ind.** ..... **Jan. 17**
Mar. 11. Paving, Titusville, Pa. ..... Feb. 21
Advertised, Eng. News, Feb. 21 to Mar. 7.
Mar. 13. Macadam, Camden, N. J. ..... Feb. 21
Advertised, Eng. News, Feb. 21 to Mar. 7.
Mar. 15. Improving grounds, Salem, Ore. ..... Feb. 14
Mar. 16. Paving, Omaha, Neb. ..... Feb. 21

MISCELLANEOUS CONTRACTS.

Feb. 21. Ditches, Ft. Dodge, Iowa ..... Feb. 7
Feb. 21. Ordnance, Washington, D. C. ..... Feb. 7
Feb. 21. Elevated Ry. connection, New York, N. Y. Feb. 7
Feb. 22. Pier head, Hamilton, Ont. ..... Feb. 7
Feb. 23. Engineering supplies, Panama ..... Feb. 14
Feb. 25. **Monument, New York, N. Y.** ..... **Jan. 24**
Advertised, Eng. News, Jan. 24 to Feb. 21.
Feb. 25. Garbage, New York, N. Y. ..... Feb. 7
Advertised, Eng. News, Feb. 7 to 21.
Feb. 25. Electric railway, Winnipeg, Man. ..... Jan. 31
Advertised, Eng. News, Feb. 7 and 14.
Feb. 26. Sea wall, North Chicago, Ill. ..... Jan. 31
Advertised, Eng. News, Jan. 31 and Feb. 7.
Feb. 26. Naval supplies, Washington, D. C. ..... Feb. 14
Feb. 26. Tug, Washington, D. C. ..... Feb. 21
Feb. 27. Fire-boat, New York, N. Y. ..... Feb. 21
Feb. 27. Drain, Boone, Iowa ..... Feb. 14
Feb. 28. Buoy service, Buffalo, N. Y. ..... Feb. 14
Feb. 28. Rubblestone, Boston, Mass. ..... Feb. 7
Advertised, Eng. News, Feb. 7 to 21.
Mar. 1. **Garbage removal, Adrian, Mich.** ..... **Jan. 24**
Mar. 1. Channel improvements, Boston, Mass. .. Feb. 21
Mar. 2. Dredging, New London, Conn. ..... Jan. 31
Advertised, Eng. News, Jan. 31 to Feb. 21.
Mar. 4. Drains, Clarion, Iowa ..... Feb. 14
Mar. 5. Locks, gates, cement, Columbus, Ohio .... Feb. 14
Mar. 5. Naval supplies, Washington, D. C. ..... Feb. 14
Mar. 5. Buoy service, Tompkinsville, N. Y. ..... Jan. 31
Mar. 5. Repairing ferry-boats, etc., N. York, N.Y. Feb. 21
Mar. 6. Street railway, Hattiesburg, Miss. ..... Feb. 21
Mar. 6. Rebuilding canal locks, cement, etc., Columbus, Ohio ..... Feb. 7
Advertised, Eng. News, Feb. 7 to 28.
Mar. 6. Levee, Memphis, Tenn. ..... Feb. 14
Mar. 7. Chimney, Yonkers, N. Y. ..... Feb. 14
Advertised, Eng. News, Feb. 14.
Mar. 11. Lumber, Wheeling, W. Va. ..... Feb. 14
Advertised, Eng. News, Feb. 14 to Mar. 7.
Mar. 11. Repairing dikes, New York, N. Y. ..... Feb. 14
Advertised, Eng. News, Feb. 14 to Mar. 7.
Mar. 12. Bear-trap gates, Wheeling, W. Va. ..... Feb. 14
Advertised, Eng. News, Feb. 14 to Mar. 7.
Mar. 18. Tunnel, New Zealand (Foreign) ..... Sept. 13
Advertised, Eng. News, Sept. 13 to Mar. 14.
Mar. 18. Lock-gate machinery, Boston, Mass. ..... Feb. 21
Advertised, Eng. News, Feb. 21 and 28.
Mar. 18. Removing bedrock, Detroit, Mich. ..... Feb. 21
Advertised, Eng. News, Feb. 21 to Mar. 14.
Mar. 20. Excavation, Boston, Mass. ..... Feb. 21
Advertised, Eng. News, Feb. 21 to Mar. 14.
Mar. 20. Dredging, Des Moines, Iowa ..... Feb. 21
Mar. 20. Pontoons, Cincinnati, Ohio ..... Feb. 21
Advertised, Eng. News, Feb. 21 to Mar. 14.
Mar. 22. Dredging, Chicago, Ill. ..... Feb. 21
Advertised, Eng. News, Feb. 21 to Mar. 14.
Mar. 22. Steel wall lockers, West Point, N. Y. ... Feb. 21
Advertised, Eng. News, Feb. 21 to Mar. 14.
Mar. 22. Lock and dam, etc., Cincinnati, Ohio .... Feb. 21
Advertised, Eng. News, Feb. 21 to Mar. 14.
Mar. 27. Dredging, New Orleans, La. ..... Jan. 24
Advertised, Eng. News, Jan. 24 and 31.
Mar. 28. Canal, Boston, Mass. ..... Feb. 14
Advertised, Eng. News, Feb. 14 to 28.
Mar. 30. Capstans, Charleston, S. C. ..... Feb. 21
Mar. 30. Capstans, Norfolk, Va. ..... Feb. 21
Apr. 2. **Reclamation work, British India (Foreign).** **Jan. 17**
Apr. 11. Cement, Brandon, Man. ..... Feb. 14
Advertised, Eng. News, Feb. 14 to Mar. 7.
Apr. 12. **Ditches, Brookings, S. Dak.** ..... **Oct. 13**
No date. **R. R. supplies, Council City & Solomon River R. R.** ..... **Jan. 24**

CIVIL SERVICE EXAMINATIONS.

Feb. 23. Bridge Draftsman, Albany, N. Y. ..... Jan. 31
Feb. 23. Assistant Electrical Engr., Albany, N. Y. Jan. 31
Feb. 23. Assistant Steam Engr., Albany, N. Y. . Jan. 31
Feb. 27. Chief Engineer, St. Louis, Mo. ..... Jan. 31
Feb. 27. Surveyor, Philippines ..... Feb. 14
Feb. 27. Draftsman, Washington, D. C. ..... Feb. 14
Feb. 27. Asst. Assayer, Charlotte, N. C. ..... Feb. 14
Feb. 27. Civil Service Examiner, New York, N. Y. Feb. 14
Mar. 5. Rodman, New York, N. Y. ..... Feb. 7
Advertised, Eng. News, Feb. 7 and 14.
Mar. 6. Irrigation Manager, Washington, D. C. . Jan. 31
Mar. 6. Superv. Drainage Engr., Wash., D. C. Jan. 31
Mar. 6. Assayer, Kansas City, Mo. ..... Feb. 21
Mar. 6. Geologist, Philippines ..... Feb. 21
Mar. 7. Masonry Inspector, New York, N. Y. ... Feb. 14
Mar. 16. Asst. Inspector of Gas, Albany, N. Y. ... Feb. 21

RAILWAYS.

ATCHISON, TOPEKA & SANTA FE.—The contract for building a tunnel through the Raton Mountains at the state line between Colorado and New Mexico, has been awarded to C. J. LANTRY, Gumbel Bldg., Kansas City, Mo. The present grade through the Raton Pass is 3.5%.

CATAHOULA CENTRAL.—It is officially announced that survey will be made between Jena and Harrisonburg, La., as soon as charter has been sufficiently published. Poindexter Dunn is Pres., Alexandria, La. Noted on Jan. 31.

CATAWBA VALLEY.—Company is now grading its line between Salem, Va., and Masons Cove, nine miles. T. H. Cooper is Pres., at Salem, Va.; Louis A. Scholz is Vice-Pres. and Henry Scholz, Secy., both of Roanoke, Va.; Edward S. Barnitz is Treas. and Gen. Mgr. and J. W. Johnston is Ch. Engr., Salem.

GRAND TRUNK.—This company has invited bids for the double-tracking of its road between St. Lambert and Ste. Rosalie, Que., a distance of 33 miles. The section comprises the bridge over the Richelieu River. Bids close on March 1. It is expected work will be commenced at an early date.

KANAWHA, GLEN JEAN & EASTERN.—W. D. WEAVER, Pratt, W. Va., has been awarded the contract for building this road from Glen Jean to Mt. Hope, W. Va., four miles. O. S. Veazey, Derryhale, W. Va., is Engr.

LEXINGTON & EASTERN.—W. A. McDowell, Gen. Mgr., Lexington, Ky., states that surveys have been made for an extension from Jackson to Hazard, Ky., 33 miles.

LITTLE ROCK, MAUMELLE & WESTERN.—This company, recently incorporated in Arkansas to build a railroad from Little Rock northwest to Maumelle, about 25 miles, has commenced construction. Surveys are made. Capital stock, $250,000. A. J. Niemeyer, St. Louis, is Pres.; E. B. Kinsworthy, Little Rock, Vice-Pres.; A. C. Becker, Secy.

MONO LAKE R. R. & LUMBER CO.—Incorporated in California to build a railroad from Benton, on the Nevada & California, to Mono Mills, 26 miles. Capital stock, $400,000. Directors: G. E. Weaver, of San Francisco; Edgar T. Zook, of San Rafael; M. Bernard, of Alameda; John G. Weir, of Alameda, and Roy G. Hudson, of Oakland.

MONTEREY, FRESNO & EASTERN.—A. D. Bower, Pres., 943 Van Ness Ave., San Francisco, Cal., states that this company, recently incorporated, proposes to build a steam railway from Monterey to Fresno, Cal., 140 miles, passing through Salinas, San Juan, Watsonville, Hollister and Tres Pinos. Surveys have been made and it is expected to begin the work of construction in March. F. M. Fairchild, Monterey, Cal., is Ch. Engr.

NEW YORK CENTRAL & HUDSON RIVER.—Press reports state that "storage yards and repair shops are to be established at Avis, Pa., by the New York Central at an expense of $1,000,000. The new yard will be used for empty cars and will be the largest in the world. Acquisition of large coal tracts and mines in Pennsylvania has caused congestion and compelled the improvement mentioned. There will be 72 tracks, running east and west between Pine Tree Creek and river, curves will be eliminated, grades will be reduced, and an enormous piece of territory leveled."

NEW YORK CONNECTING RY.—See Pennsylvania R. R.

NORFOLK & SOUTHERN.—Company has construction of new lines under way, as follows: Raleigh to Washington, N. C., 104 miles; Farmville to Snow Hill, N. C., ten miles; Chocowinity to Neuse Junction, near Newbern, N. C., 30 miles; Bayboro to Oriental, N. C., ten miles; Mackeys Ferry to Columbia, N. C., 22 miles; Bishop Cross to Pinetown, N. C., ten miles; total, 186 miles. In the spring ten miles more are to be let, from Edenton to Mackeys Ferry, N. C. Entire work is to be completed next summer. Noted on Jan. 17.

NORTH COAST.—J. S. WASHTOCK, Kiona, Wash., has been awarded the contract for building 25 miles of this road in the vicinity of Kiona. Robert Strahorn, Spokane, Wash., is Pres.

OZARK COAL & R. R. CO.—J. H. Durkee, of Kansas City, Mo., Pres. of the Ozark Coal & Railroad Co., states that the company has $400,000 capital stock, of which $90,000 is first preferred, $115,000 second preferred and $195,000 of common. Line will connect with the Kansas City Southern, the Fort Smith & Western and the Midland Valley railroads. The company's lands are near Panama, Ind. T. The other directors are: H. F. Durkee, Treas., and C. A. Bradley, Secy., both of Kansas City. Noted on Feb. 7.

PENNSYLVANIA R. R.—The New York Board of Estimate by a vote of 14 to 2 on Feb. 15, approved of the contract by which the Pennsylvania Railroad Co. gets a franchise to build a connecting link between the West and South and the New England States by way of Long Island. The New York Connecting Railway is the name of the proposed line. Samuel Rea, Third Vice-Pres. of the Pennsylvania, stated that this company expected to begin work on the road at an early day. It is to run from a point on the Long Island Railroad system in the Bushwick section of Brooklyn across the low-lying ground between Bushwick and Flushing and thence across Hell Gate on a bridge which will span Ward's and Randall's Islands. On the Manhattan end there will be a grade connection with the New Haven system. The company will take freight from the Pennsylvania pier at Greenville, down the bay, across to Bay Ridge, and run it around old Brooklyn on the Long Island Railroad's tracks to the new part of the road in old Bushwick. The bridge over the East River will be a ponderous structure, 150 ft. above high water. The company consents to submit its plans for bridges to the Municipal Art Commission. The motive power of the road is to be steam, with the right to substitute electricity in not less than three years. Another agreement the company has made is to pay for all alterations to the sewerage and drainage system and to any sub-surface structure made necessary by the work of construction.

Another important action which the Board of Estimate took on Feb. 15, affecting the Pennsylvania's interests was the adoption of a resolution approving of the Sunnyside improvements in Queens County, just outside of Long Island City. It is the Pennsylvania's intention to erect the largest freight terminal in the world at Sunnyside. The terminal is to be used in connection with the connecting railway scheme. This action of the board results in the formal closing of about 52 streets in the Sunnyside region, among them being Old Dutch Kills Road, Thomson Ave., Skillman Ave., Moore St., Honeywell St., Buckley Ave., Hulst St. and Van Pelt Ave. The yard will contain at least 600 acres.

SACRAMENTO VALLEY & EASTERN.—We are officially advised that company will let contracts as soon as final survey is completed. Line will extend from Bonita, on the Southern Pacific, to Winthrop, Cal., 18 miles. Right-of-way is practically all secured. Capital is ready. Some grading has been done and a bridge across the Sacramento River is under way. D. M. Riordan is Pres., Winthrop, Cal.; F. J. Dearborn is Ch. Engr., Kennett, Cal. Thomas B. Dozier, of Redding, is interested. The Sacramento "Bee" states that contract for first ten miles of line has been let to J. McCARTY, of Oakland, Cal.

SOROCABANA RY.—This company has been incorporated in Maine with a capital stock of $10,000,000 by Warren N. Akers, Brazil Company, Boston; James E. Manter, W. F. Crummett, Clarence E. Eaton, Charles D. Fullerton, Portland. Mr. Akers is Pres.

THOMASVILLE & NORTHWESTERN.—Incorporated in Georgia to build a railroad 50 miles long from Thomasdale through the counties of Thomas, Brooks, Colquitt and Berry to a point on the Nashville & Sparks. Capital stock, $75,000. Headquarters of company, Thomasville, Ga. Incorporators: J. F. Harris, W. L. Adams, H. Roberts, C. C. Shelly, of Thomas County; J. J. Hodges, of Brooks County; Berry Croft, of Colquitt; E. M. Smith, J. F. Evans, C. W. Cooper and W. C. Snodgrass.

TRANS-CONTINENTAL RY.—Bids were received by P. E. Ryan, Secy. of the Trans-Continental Comn., Ottawa, Ont., on Feb. 14, for the construction of five sections of the Grand Trunk Pacific R. R., as follows: Section 1, from Moncton, N. B., west 50 miles; Section 2, from Grand Falls, N. B., west 62 miles; Section 3, from Quebec Bridge, east 150 miles; Section 4, from La Toque, west to Weymontachene, 45 miles; Section 5, from a point eight miles west of the Abitibi River, east for 150 miles: Section 1: Four bidders—Grand Trunk Pacific; Eastern Construction Co., of Amherst; M. F. Schurman & Co., Prince Edward Island; Eastern Construction Co., Ottawa. Section 2: Five bidders—Grand Trunk Pacific; Toronto Construction Co.; Eastern Construction Co., Amherst; Eastern Construction Co., Ottawa; Lyons & White, Ottawa. Section 3: Four bidders—Grand Trunk Pacific; The Russell Chambers (Ltd.); M. P. & J. T. Davis, Ottawa; O'Brien & Mullarky, Montreal. Section 4: Three bidders—Grand Trunk Pacific; The Russell Chambers (Ltd.); MacDonell & O'Brien. Section 5: Two bidders—Grand Trunk Pacific; Pacific Construction Co., by E. F., Fauquier, Ottawa. It will be three or four weeks before the engineering staff of the commission will have worked out the bids so they can report to the Board which are the lowest bidders for the various sections.

ELECTRIC RAILWAYS.

UTICA, N. Y.—Edwin H. Risley, Secy. of the Utica Southern R. R. Co., Utica, informs us that contracts for constructing the line will be let probably in April. Frank H. Baxter is Ch. Engr., Utica. Right-of-way has been obtained and surveys made. The line will connect Clinton, Hamilton, Norwich and Waterville and will be 26 miles long. Noted on Jan. 31.

ELLWOOD CITY, PA.—The People's Street Railway, capital stock $12,000, has been incorporated to build two miles of line over the principal highways of Ellwood City, Lawrence County. The directors are: James Campbell, Pres.; Gomer L. Jenkins, Frank S. Christy, H. W. Mulligan and Frank Sheridan.

JOHNSONBURG, PA.—The Elk Street Railway Co. has been chartered to build a street railway from Johnsonburg to St. Marys, via Ridgway, 18 miles. The capital stock of the company is $500,000. Survey has been made, and it is expected that work will begin in the spring. W. S. Ravenscroft is Pres. J. G. White & Co., 43 Exchange Pl., New York, are Consult. Engrs.

KENNETT SQUARE, PA.—The Kennett & Coatesville Ry. Co. has been chartered with a capital of $120,000, to build a trolley line from Kennett Square to Coatesville, a distance of twelve miles. J. Walter Taylor, of Kennett Square, is Pres. of the company.

WHEELING, W. VA. — The Wheeling, Sherrard & Cameron Interurban Electrical Railway Co. has filed an application for a franchise to construct and maintain an electric railway in Marshall County and Ohio County for a period of 50 years. The proposed route is from Wheeling, by way of Sherrard, to Cameron.

BIRMINGHAM, ALA.—We are officially informed that the Alabama Railway & Power Co. is making location survey for construction of its power plant. The construction of its railway from Birmingham to Chattanooga, Tenn., 150 miles, will be taken up later. H. T. Henderson, of Durango, Colo., is Pres.; C. L. Young, of Dawson, Ala., is Ch. Engr. Noted on Jan. 3.

HATTIESBURG, MISS.—The Hattiesburg Traction Co. has postponed date for opening bids for machinery, material and labor necessary for building complete street railway, from Feb. 14 to March 6. Plans and specifications are on file at office of company and at office of Edward J. O'Beirne, Engr., 821 Empire Bldg., Atlanta, Ga. Work is to be let under rules of American Public Works Association. Noted last week.

NICHOLASVILLE, KY.—The Central Kentucky Traction Co. has been granted a franchise to construct an interurban line between Nicholasville and Lexington, Ky., a distance of about 15 miles. The Fiscal Court of Jessamine County has given the company a right-of-way over either of two turnpikes, providing that construction begin in 18 months and be completed in three years. The company is now building a line to Frankfort, Ky., about 25 miles.

ELIZABETHTOWN, KY.—G. J. Lampton, of Louisville, Ky., is reported as saying that the Kentucky Central Traction Co. will be incorporated March 1, and that as soon as weather permits construction of an electric line from Elizabethtown to West Point will begin. The line will be 27 miles long and will cost about $300,000. Nearly all right-of-way has been secured. Line will also touch Cecilian and Vine Grove.

COLUMBUS, OHIO.—The manufacturers' committee of the Columbus Board of Trade is considering plans for an electric belt line about the city. The project was discussed at a recent meeting, and a sub-committee, consisting of Allen W. William, Harry S. Waite and E. C. Derby, was named to consider the matter. Henry A. Lanman heads a committee to investigate the possibility and advisability of having a steam belt line about the city.

WARREN, OHIO.—The Board of Trade will ask the Mahoning & Shenango Railway Co. to extend its line on North Ave. to reach the manufacturing plants in the northern part of the city. M. E. McCaskey is Gen. Mgr., New Castle, Pa.

MOLINE, ILL.—The Rock River Traction Co. has sold bonds for constructing its proposed line between Geneseo and Moline. Company plans to have its line between Geneseo and Carbon Cliff in operation by April 1, 1908.

LA CROSSE, WIS.—The La Crosse & Winona Traction Co. will build an electric railway between La Crosse, Wis., and Winona, Minn. The capital is $50,000. C. M. Morse is Pres.; C. P. Crandall, Vice-Pres.; F. H. Sampson, Secy., and C. M. Green, Treas, all of Winona. These men, with E. Boynton, of La Crosse, compose the first Board of Directors.

DALLAS, TEX.—The Dallas Interurban Electric Railway Co. has been organized and chartered to build the proposed electric railway planned by J. M. Carter and others. Capital, $2,400,000, of which $600,000 is preferred stock. Bonds at the rate of $30,000 per mile are to be issued. The officers are: D. E. Waggoner, Pres.; I. J. Willingham, First Vice-Pres.; J. Mercer Carter, Second Vice-Pres.; Charles T. Alexander, Third Vice-Pres.; Sidney A. Slemmons, Secy.; M. H. Wolfe, Treas.; W. H. Clark and W. T. Henry, Attorneys. Others interested are: Alexander Sanger, E. M. Kahn, C. C. Slaughter, Robert Ralston, Edward Titche, R. C. Buckner, O. H. Lang, J. D. Nabors and D. Sonnentheil. Plans have been prepared by the American Engineering Co., it is said.

SOUTH BEND, WASH.—The County Commissioners have granted a franchise to M. C. Welsh for the construction of an electric railway between South Bend and Raymond.

MARYSVILLE, CAL.—We are officially informed that surveys have been made and right-of-way secured for the Northern Electric Ry. Co.'s proposed line from Marysville to Yuba City, Sutter, Meridian and Colusa, 28 miles. Drawbridges, trestles and culverts will be required. Capital has been obtained. Henry A. Butters is Pres. and C. S. Compton is Ch. Engr., both at Chico, Cal.

SAN DIEGO, CAL.—The Point Loma Electric Ry. Co. has been incorporated by D. C. Collier, George M. Hawley, Sam F. Smith, George D. Easton and C. O. Reinbold. The company is capitalized at $100,000. The object of the corporation is to operate a railroad from Old Town, four miles north of this city, to Roseville, Fort Rosecrans and Ocean Beach. An application for a franchise is before the City Council.

SAN FRANCISCO, CAL.—According to press reports J. B. Rogers, Ch. Engr. of the Ocean Shore Ry. Co. has stated that the Ocean Shore line will be completed as a single-track line from San Francisco to Santa Cruz by Oct. 1. Nearly 67.5% of the grading and 85% of the necessary fills and bridge approaches have been completed. "The road is in good hands. Eighty per cent. of the stock is owned in San Francisco by men who are heartily interested, not alone in the construction of this line, but in seeing that it is maintained in local hands."

The California Rapid Transit R. R. Co., recently incorporated at Phoenix, Ariz., with capital stock of $10,000,000, proposes to build a railroad commencing in the city of San Francisco, and running through or near Burlingame, San Mateo, Redwood City, Palo Alto, San Jose, Monterey, and thence to the southerly shore of Monterey Bay, thence to Carmel River, a distance of about 140 miles. At some point near San Jose a branch is to commence that will run through Alameda County, via Alameda, Oakland and Berkeley, thence to Point Richmond, and terminating at Martinez, Contra Costa County, a distance of 75 miles. Commencing at a point near the lines of the main track at Redwood City through Palo Alto, to connect at or near with the line at San Jose, a distance of 22 miles. It is contemplated to build a line from some point between Redwood City and Palo Alto, thence east to the Bay of San Francisco, and cross at Dumbarton Point, thence to the city of Niles, the branch mentioned to be thirteen miles in length. The total aggregate mileage of the railroad and its branches is 250 miles. The temporary officers elected are: William C. Alberger, Pres. and Ch. Engr.; L. E. Lee, Secy.; William Minto, Vice-Pres.; W. H. H. Hart, Treas. It is certified that $250,000 of the capital stock has been subscribed for by the following [illegible]ons: W. J. Morgan, H. C. Cutting, W. [illegible] H. Hart, A. H. Butler, M. D. Eddy, H. [illegible]wie, C. W. Clark, L. E. Lee, William C[illegible]berger, William Minto and the Californ[illegible]nnel Co.

TORONTO, ONT.—We are [illegible]ficially advised that the Huron & Onta[illegible] Ry. Co. will probably let contracts befo[illegible] April 1, for building its proposed line [illegible]en Toronto and Windsor and Toronto a[illegible]ween Sound. Surveys are made and right [illegible]y is partly secured. Capital for [illegible]section has been obtained. Third-rail [illegible] will be used. S. F. Kilgore is Pres. [illegible] H. Kilgore is Secy., and H. W. Middleme[illegible] Ch. Engr., all at Toronto, Ont.

LIGHT AND POWER [illegible]ANTS.

ELLSWORTH, ME.—We are [illegible]ficially advised that the Bar Harbor & [illegible]ton River Power Co. has awarded to AM[illegible]RSEN HYDRAULIC CONSTRUCTION [illegible] 176 Federal St., Boston, Mass., the [illegible]ontract for constructing a reinforced con[illegible]dam 64 ft. high and 400 ft. long, includi[illegible] bulkheads; also power-house, canal, tran[illegible]mer house and other construction work [illegible] its power development on Union River [illegible] Ellsworth, Maine. Mr. J. A. Leonard, [illegible]worth, is Engr., and Sellers & Rippey, S[illegible]phen Girard Bldg., Philadelphia, Pa., are C[illegible]lt. Engrs.

BOSTON, MASS.—We are [illegible]ficially advised that the following bids [illegible] received Feb. 16 by the Bureau of Yard[illegible]nd Docks, Navy Dept., for two 750 steam [illegible]rbo generator units, Navy Yard, Boston, Ma[illegible] (Specifications No 1380): The Westi[illegible]ouse Machine Co., 10 Bridge St., New York, N. Y., $58,447; the General Electric Co., Schenectady, N. Y., $29,154.

PUTNAM, CONN.—The Putnam Light & Power Co. is contemplating installing a new engine and generator in its plant in the spring. A. W. Bowen is Mgr.

MECHANICSVILLE, N. Y.—We are officially advised that the Delaware & Hudson Co. is building at Mechanicsville a power-house of 10,000-KW. capacity. Machinery is installed at present for 4,000 KW., and the ultimate size of the station is intended to be and is planned for 20,000 KW. Practically all of the machinery has been purchased. Axel Ekström is Consult. Electrical Engr., Albany, N. Y.

HUDSON, N. Y.—Bids are asked by the Common Council until Feb. 28 for supplying electricity for lighting the streets and public buildings of the city for a term of three or five years, beginning Jan. 6, 1908. William Wortman is City Clk.

MASSENA, N. Y.—We are officially advised that the DAYTON GLOBE IRON WORKS, Dayton, Ohio, have contract for installing 24 turbines, which will develop 24,000 HP. at the plant of the Aluminum Co. of America, formerly owned by the St. Lawrence River Power Co.

SECAUCUS, N. J.—Bids are asked until Feb. 25 by the Board of Chosen Freeholders, at Jersey City, for installing an electric lighting system in the new County Almshouse at the County Farm, Secaucus. Walter O'Mara is Clerk.

PHILADELPHIA, PA.—GEORGE KESSLER, Drexel Bldg., has contract for constructing a 2-story power-house at 26th and Cambridge Sts., for the Commonwealth Brewing Co. Brick and steel, fireproof, slag roof, cement and concrete work, electric light fixtures, etc., will be used.

PHILADELPHIA, PA.—We are officially advised that the following bids were received Feb. 16 by the Bureau of Yards and Docks, Navy Dept., for underground electric lighting cables, Navy Yard, League Island, Pa. (Specification No 1523): John A. Roebling's Sons Co., 612 South Broad St., Trenton, N. J., $13,989; Standard Underground Cable Co., 618 Westinghouse Bldg., Pittsburg, Pa., $14,728.

WASHINGTON, D. C.—Bids are asked until noon, Feb. 28, by Elliott Woods, Supt. U. S. Capitol Buildings and Grounds, for installing water tube steam boilers, equipped with mechanical firing stokers, for the heating, lighting and power plant of the Capitol and Congressional Buildings at Washington. Specifications and bidding sheet are on file at office of Engineering News, New York.

NORFOLK, VA.—It is reported that the Jamestown Exposition Co. has awarded contract to the NORFOLK & PORTSMOUTH TRACTION CO. for furnishing electricity to exposition grounds. The contract is said to call for 5,000 KW. a day, which is equal to about 75,000 HP.

WEYERS CAVE, VA.—It is reported that the Weyers Cave Electric Light & Power Co. is preparing plans to utilize the water power of North River at Rockland Mills, using the dam at that place, and generating the power by electricity for transmission to Weyers Cave, a distance of 1¼ miles.

SAVANNAH, GA.—The Savannah Lighting Co. is preparing to extend its underground system into the residence portion of the city. L. R. Nash, Savannah, is Mgr.

JACKSONVILLE, FLA.—The Board of Bond Trustees has awarded the contract for two boilers for the city electric light plant to the BABCOCK & WILCOX CO., 85 Liberty St., New York, N. Y., at $1[illegible],679.

BIRMINGHAM, ALA.—The Birmingham Railway, Light & Power Co. will add to its power-house on Powell Ave. The plans have been drawn and the appropriation made for these additions. A battery of boilers of 6,600-HP. will be installed in the boiler house of the plant, and a 2,000-KW. railway unit will be established which will furnish a large supply of current for the street railway department. One 750-KW. system unit will also be installed to increase the electric lighting department. J. A. Emery, Birmingham, is Gen. Mgr.; J. M. Bradley is Supt. Electrical Dept.

LEWISBURG, TENN.—See under Water Supply—Irrigation.

NEW ORLEANS, LA.—SPRANLEY & REED, of New Orleans, have secured the contract for the installation of electrical apparatus and fittings in the Marson Blanche Building, at about $65,000.

COVINGTON, KY.—The City Council has appropriated $[illegible],000 toward establishing a municipal electric lighting plant. It is estimated that the plant will cost about $106,000 when completed and ready to operate.

LOUISVILLE, KY. — Arrangements are being made by the Board of Public Works for installing of about 400 new arc lamps, to take the place of those now in use. Before the end of the present year it is expected that the Board of Public Works will put up about 400 additional arc lamps. At present there are about 2,000 arc lamps in use on the streets.

COVINGTON, OHIO.—The Board of Councilmen has passed a resolution directing the City Solicitor to prepare advertisements for bids for constructing municipal electric lighting plant according to the plans submitted by Owen Ford, Security Bldg., St. Louis, Mo.

GARY, IND.—H. M. Byllesby & Co., 125 Monroe St., Chicago, Ill., has awarded the general contract to HUGH McLENNAN, 1241 First National Bank Bldg., Chicago, for a gas plant, to be installed at Gary, for the U. S. Steel Corporation, at $200,000.

INDIANAPOLIS, IND.—Bids are asked by the Commissioners of Marion County until 10 a. m., Feb. 27, for furnishing and installing new boilers, pumps, heater and necessary pipe work for the Marion County power-house. John E. McGaughey is Pres.

LANSING, MICH.—Plans have been prepared for a plant to cost about $150,000, which is to be built in this city, by the Lansing Fuel & Gas Co. The plant is to be of fireproof construction, with buildings of brick, with iron floors and iron roof trusses. The roof will be of tile or asbestos.

FREEPORT, ILL.—The Freeport Railway, Light & Power Co. has decided to construct a light and power plant at Brown's Mill, which will cost about $35,000. A. J. Goddard is Pres. and Gen. Mgr.

CEDAR RAPIDS, IOWA.—Cedar Rapids & Iowa City Railway & Light Co. contemplate increasing the capacity of the engine room by 1,500 KW. and enlarging the entire boiler plant. The work will involve an expenditure of about $100,000. William G. Dows is Mgr.

ST. HILAIRE, MINN.—It is reported that there will be an electric light and power plant established here. The Duluth Engineering Co., of Duluth, W. B. Patton, Mgr., has charge of construction.

HOLTON, KAN.—Bids are asked until 9 a. m., March 5, by S. H. Newell, Sr., City Clerk, for installing combined electric light and water-works plant, with distributing system. S. D. Kuhn is Mayor; the W. K. Palmer Co., Dwight Bldg., Kansas City, Mo., are Consult. Engrs.

LONGMONT, COLO.—It is proposed to establish a power and heating plant here, which will cost about $100,000. J. P. Smith is interested.

STERLING, COLO.—The Sterling Public Service Co. is contemplating installation of a 150-HP. compound engine and a 10-ton ice plant. Fred. McClain is Supt.

PRINCEVILLE, ORE.—Bids will probably be received in May or June for the construction of a plant for the Pringle Falls Electric Power & Water Co., to cost about $200,000. W. H. Huston is Engr.; L. B. Lafolett is Secy.

LAKEPORT, CAL.—The City Council has granted a franchise to the Lake County Electric Power Co. to install an electric lighting and power system within the town limits. G. W. Scott and W. W. Van Arsdale and Theodore A. Bell are the principal stockholders of the company, which was organized for the purpose of distributing electricity throughout Lake County. It will receive electricity from the plant of the Snow Mountain Power & Water Co., which is in course of construction on Eel River. It is the intention of the company to have its lighting system in operation by next October.

STOCKTON, CAL.—It is reported that the American River Electric Co. is to erect a steam generating plant in this city in the immediate future as an auxiliary to its large hydro-electric plant on the American River. The plant will consist of a 3,000-HP. Curtis steam turbine direct-connected to generators. It will cost nearly $250,000. C. W. Waller, San Francisco, is Mgr.

PASADENA, CAL.—The City Council has awarded contract to B. F. KIERNEF, Jr., & CO. for the steel poles with bolts and cross arms, cedar poles with 7-in. tips, pine cross arms, copper wires, galvanized steel cable and telegraph wire, at a total of about $35,631.

Bids are asked until Feb. 26 by the City Council to install a 300-KW. steam engine or steam turbine electric lighting plant, and for a quantity of supplies.

NIAGARA FALLS, ONT.—Announcement has been made that the Ontario Power Co. is about to enlarge the capacity of its power-house on the Canadian side of Niagara River by extending it 160 ft. in length, adding space for two additional units of 12,500-HP. each. When this addition is completed it will make the plant 480 ft. long. W. N. Ryerson, Niagara Falls, Ont., is Supt.

PORTAGE LA PRAIRIE, MAN.—The Town Council has granted a franchise to the International Heating & Lighting Co., Cleveland, Ohio, to supply light to this town.

WINNIPEG, MAN.—We are officially advised that C. B. Smith, Ch. Engr. of the hydro-electric development to supply power for a tramway connecting Point du and Lac du Bonnet, has prepared designs for developing power on the Winnipeg River, about 75 miles northeast of this city. The designs provide for 60,000-HP. permanent works. A 30,000-HP. power-house is to be built, having 20,000-HP. machinery. There will be transformer stations at each end of the line. A 2,300-volt, 60-cycle current will be generated. Units of 3,000 KW. are to be installed, and there will be two lines of 000 wire, with transmission of 66,000 volts, 60-cycle. Provision for ultimate construction of five lines has been made.

MOOSE JAW, SASK.—It is reported that the city contemplates the following extensions to the municipal electric lighting plant: One 1,000-KW., 60-cycle, two-phase generator, a prime mover of corresponding capacity and three 500-HP. boilers, and also considerable pole line extensions. J. C. Jenner is City Electrician.

BRIDGES.

ASHLAND, N. H.—The Selectmen of Ashland, Plymouth and Bridgewater have awarded contract to the UNITED CONSTRUCTION CO., 467 Broadway, Albany, N. Y., for constructing truss bridge across Pemigewassett River to replace wooden bridge.

CAMDEN, N. J.—Bids are asked by the Camden County Board of Chosen Freeholders until 11 a. m., March 13, for constructing superstructure 96 ft. long for through truss highway bridge over Big Timber Creek, at Clements Bridge, between Camden and Gloucester Counties. Fred. W. George is Clk., Bd. of Chosen Freeholders; J. J. Albertson is County Engr. (Advertised, Engineering News.)

HOKENDAUQUA, PA.—The THOMS ENGINEERING CO. has been awarded contract for constructing retaining wall at eastern approach of bridge across Ironton R. R. tracks, at $6.75 per cu. yd. of concrete. Lehr & Bascom, of Allentown, Pa., are Boro. Engrs.

HAWKINSVILLE, GA.—Bids are asked by T. G. Holder, Clk., until March 5, for constructing bridge across Ocmulgee River.

BIRMINGHAM, ALA.—The Board of Revenue has awarded contracts for constructing 18 bridges in Jefferson County. The largest contract was awarded to the VINCENNES BRIDGE CO., Vincennes, Ind., seven bridges, at $10,300. The JOLIET BRIDGE CO., Joliet, Ill., was awarded contract for constructing eight bridges, at $7,067.

CARTHAGE, TENN.—The Carthage & Granville Bridge Co. has entered into a contract for constructing bridge across Caney Fork River with the W. T. Young Bridge Co., of Nashville, for $18,000. J. W. Williams is Pres., Carthage & Granville Bridge Co.

CENTERVILLE, TENN.—The Combined Bridge Committees of Hickman County have awarded contracts for constructing two steel bridges over Duck River to the NASHVILLE BRIDGE CO., Nashville, Tenn. One bridge to be constructed near Little Lot and the other at Only Station. Total cost, $27,400.

LOUISVILLE, KY.—Plans have been prepared by Dornfeld-Kunert Co., of this city, for constructing bridge at Oconomowoc Ave. Joseph P. Claybrook is City Engr.

COLUMBUS, OHIO.—The Board of County Commissioners on Feb. 6 awarded contract for constructing new flooring system on West Broad St. bridge over Scioto River to the CAPITOL CONSTRUCTION CO., at $20,187. Walter Braum is County Surv.

BUENA VISTA, OHIO.—The County Commissioners have decided to construct steel bridge across Pine Creek at Clinton Furnace and steel bridge across Pond Run on the Buena Vista Pike, to replace present wooden covered bridge.

BELPRE, OHIO.—Albert E. Boone, of Zanesville, Ohio, advises us that he has under consideration the construction of three suspension bridges across the Ohio River for electric railway purposes. The franchises will be held by the following companies: The Ohio River, Belpre-Parkersburg Bridge & Ferry Co.; the Ohio River, Pomeroy & Mason City Suspension Bridge & Terminal Co.; and the Ohio River, Rockwood-Huntington Suspension Bridge & Terminal Co. John Bane, of Philadelphia, Pa., associated with Mr. Boone in these enterprises, will attempt to interest Holland capital in the projects.

CLEVELAND, OHIO.—Bids are asked by Julius C. Dorn, County Clk., until 11 a. m., March 2, for replanking North Rocky River Bridge in Rocky River Village. A. B. Lea is County Engr.

Bids are asked by the Board of County Commissioners until 11 a. m., March 6, for bridge construction as follows: Report No. 1,477, concrete steel culvert, Euclid Township: Report No. 1,478, concrete abutments. Euclid Township: Report No. 1,479, steel concrete floor, Euclid Township. A. B. Lea is County Surv. Julius C. Dorn is Clk. Bd. County Comrs.

WALDO, OHIO.—We are officially advised that THE CENTRAL CONCRETE CONSTRUCTION CO., Canton, Ohio, has been awarded contract for constructing steel bridge with oak flooring, over Whetstone River, at $4,890. V. P. Garfield is Clk. Bd. Comrs.

SAULT STE. MARIE, MICH.—Bids are asked until 2 p. m., Feb. 26, for constructing superstructures for nine highway bridges 18 to 30 ft. long and 16 to 18-ft. clear roadway; also for constructing substructures of steel piling for three bridges. Herbert L. Parsille is County Clk.

FREEPORT, ILL.—The Board of Supervisors has ordered bridges constructed in Erin and Rock Grove Townships.

ROCK ISLAND, ILL.—We are officially informed that bids were received as follows by Col. S. E. Blunt, Ordnance Dept., U. S. A., Rock Island Arsenal, on Feb. 12, for rebuilding the United States bridge and viaduct between this city and the Rock Island Arsenal: Bayne & Hewitt, Minneapolis, Minn., $109,196; J. O. Hayworth, Chicago, Ill., $109,591; Milwaukee Bridge & Iron Co., Milwaukee, Wis., $114,100; Strobel Steel Construction Co., Chicago, Ill., $115,644; Union Bridge & Construction Co., Kansas City, Mo., $119,896; Wallace Marshall, Lafayette, Ind., $122,711; Midland Bridge Co., Kansas City, Mo., $127,407; Penn Bridge Co., Washington, D. C., $132,697, and J. E. Roemheld, Chicago, Ill., $133,690.

LACON, ILL.—It is reported that a steel draw-bridge will be constructed to replace the pontoon bridge recently destroyed by ice.

MILWAUKEE, WIS.—The City Council has adopted report of Committee on Bridges and Viaducts recommending passing a resolution directing Board of Public Works to advertise bids for constructing disputed section of Sixth St. viaduct. Vincent J. Schoenecker is Comr. Public Wks. Charles G. Poetsch is City Engr.

FERGUS FALLS, MINN.—It is reported that the County Commissioners have petitioned the Legislature for an appropriation for constructing iron bridges at various points in Ottertail County.

PAOLA, KAN.—Bids are asked by the County Commissioners, W. M. Krumsick, Chn., until March 5, for construction of following bridges: Bridge across Middle Creek in Osage Township. Bridge across Bull Creek in Paola Township. Bridge at Wood's Ford in Creek Township. Bridge at Wally Ford in Marysville Township. Bridge at Miller Ford in Richmond Township. Total estimated cost, $34,200.

LEAVENWORTH, KAN.—Bids are asked until noon, March 4, for constructing bridge No. 77, over Wolf Creek and concrete culvert in Fairmount Township. J. W. Niehaus is County Clk.

LINCOLN, NEB.—Bids have been received by the County Commissioners for constructing and repairing bridges during the present year from the following: Nebraska Construction Co., Western Bridge Construction Co.; John Gilligan; J. A. Curtis & Co.; Campbell-Flagler Co.; C. G. G. Sheeley, and Philip S. Easterday. Estimated cost, $20,000. W. S. Scott is County Surv.

FAIRBURY, NEB.—The County Commissioners have awarded contract for constructing highway bridges during the ensuing year to the STANDARD BRIDGE CO., Omaha, Neb.

KANSAS CITY, MO.—Bids are asked by the Board of Public Works until Feb. 26, for constructing reinforced concrete culvert with 30-ft. span and 19-ft. rise, over Gooseneck Creek at Ewing Ave. The work will require 560 cu. yds. Portland cement concrete, 23 tons steel, 160 ft. 20-in. oak piling and 2,600 cu. yds. of earth excavation. E. A. Harper is City Engr.

KANSAS CITY, MO.—Primary plans have been prepared for constructing Heim bridge over Missouri River which the promoters propose to build east of Grand Ave., a site approved by the Government engineers. Three spans 420 ft. in length will rest on four piers, two of which will be between the harbor lines of the Missouri River. In addition to the 1,260 ft. of spans the structure will consist of 800 ft. of steel trestle on the Kansas City side and 2,500 ft. in Clay County. The floor of the bridge, which will be 50 ft. above high water, will be wide enough for a double railroad track and two roadways. Work will be started in the spring. I. G. Hedrick is Engr.

DALLAS, TEX.—The contract for constructing culverts on the proposed interurban railway line, to be constructed between Dallas and Sherman, has been let to the ATLAS METAL WORKS, of this city.

PUEBLO, COLO.—The Board of County Commissioners has decided that every wooden bridge and culvert in the county shall be replaced with structures of reinforced concrete and cement. Arrangements will be made at once to start the work, which is to be undertaken as soon as plans and specifications can be completed.

SPOKANE, WASH.—George Forsythe, Engr., of Portland, Ore., reports in favor of building an entire new bridge at Monroe St., this city.

SALINAS, CAL.—All bids received Feb. 5 by T. P. Joy, Clk. Bd. of Supervisors, for constructing bridges at Chulaor and San Ardo were rejected. New bids are asked until 2 p. m., April 1, for constructing bridge 1,004 ft. long at Chualor, of which 500 ft. consists of Pratt trusses, the remainder being pile trestle approach; also for a bridge at San Ardo, 1,880 ft. long, of which 1,100 ft. are trusses, the remainder approach. L. G. Hare, County Surveyor, prepared the plans which were adopted by the Board.

GRIMES, CAL.—The Board of County Supervisors is considering constructing wagon bridge at this place.

HOLLISTER, CAL.—Bids are asked by the Board of Supervisors until March 5, for constructing the Tequesquito bridge.

MARYSVILLE, CAL.—The Board of Supervisors has granted the Northern Electric Co. right to construct and maintain a bridge across Sacramento River, about one-half mile northwest and above Chico Landing and about 240 ft. below site of the former toll bridge. One hundred feet is designated as the width of the draw, and 225 ft. as the length of the draw-span, thereby permitting an opening of 100 ft. in width and 120 ft. in length on each side of the three other spans required in construction of the bridge. C. S. Compton is Ch. Engr., at Chico, Cal.

BUCKHORN, ONT.—Bids are being asked by the Dominion Government for constructing concrete dam and bridge at Buckhorn. Estimated cost, $35,000.

BATHURST, N. B.—The contract for repairing and rebuilding bridge between Bathurst and the Intercolonial Ry. station has been awarded to HENRY WHITE, of this city, at about $13,000.

BUILDINGS.

SPRINGFIELD, MASS.—It is reported that the general contract for the Massachusetts Mutual Life Insurance Co.'s 8-story building, to be erected at State and Main Sts., has been awarded to NORCROSS BROS., 10 East Worcester St., Worcester. Probable total cost, $200,000. Trowbridge & Livingston, 424 Fifth Ave., New York, are Archs.

NEW YORK, N. Y.—Bids are asked until 10.30 a. m., Feb. 26, by Francis J. Lantry, Fire Comr., for erecting a new building and new hose rack for Engine Company No. 78, located on dock at foot of Gansevoort St., North River, Boro. of Manhattan.

We have been officially informed that plans have been filed by McKim, Mead & White, 160 Fifth Ave., for a 6-story and basement pathological building for Bellevue Hospital, to stand at the corner of First Ave. and 29th St. The structure will cost $800,000 and will cover a plot 142 × 120. Bids will be received in about three weeks by the Board of Trustees, Bellevue and Allied Hospitals, John W. Brannan, Pres. The building will be constructed of brick, with limestone trimmings, on granite base.

NEW YORK, N. Y.—Plans have been filed with the Buildings Superintendent for a 12-story loft and office building, with a ground floor story, to be built for the Northward Realty Company, of which Simon Frankel is Pres., at the corner of John and Dutch Sts. It will front 75 ft. on John St. and 114 ft. on Dutch St., with facades of brick trimmed with limestone and terra cotta. It is to cost $250,000. Howells & Stokes, 100 William St., are Archs.

We are officially informed that A. Orently, 160 Fifth Ave., is having plans prepared by Samuel Sass, 23 Park Row, for a 10-story mercantile building to be erected at 34 West 17th St. It will have a frontage of 28 ft. and a depth of 86 ft., with an extension. The facade will be of brick, with trimmings of terra cotta, with a balcony at the eighth story and Ionic pilaster supporting an ornamental roof cornice. The building is to cost $150,000.

Plans have been filed at the Building Department for the 9-story printing house to be erected by Albert Fillmore Hyde, 60 Wall St., at 257 to 263 West 17th St. The building will have a frontage of 127 ft. and a depth of 72 ft. It has been leased to William Steiner Sons & Co., and will be known as the Steiner Building. It will cost $200,000. Townsend, Steinle & Haskell, 29 East 19th St., are Archs.

We are officially advised that Moore & Landsiedel, Third Ave. and 148th St., are preparing plans for the 6-story elevator apartment house to be erected by Elias Gussaroff, on plot 100 × 100, at the corner of Broadway and 142d St. Bids are now being received. The building will have electric elevators, steam heat, and will be finished inside with hard wood. It will be constructed of brick, limestone and terra cotta. The cost is estimated at $150,000.

NEW YORK, N. Y.—Bids are asked until 11 a. m., March 4, by C. B. J. Snyder, Supt. of School Bldgs., for general construction, etc., of addition to and alterations in Public School No. 24, on the south side of Beaver St., between Arion Pl. and Belvidere St., Boro. of Brooklyn; also for installing heating and ventilating apparatus of addition to and alterations in Public School No. 91, on the west side of Albany Ave., between East New York Ave. and Maple St., Boro. of Brooklyn.

JERSEY CITY, N. J.—Additions and extensions to the Pennsylvania R. R. Co.'s terminal at Jersey City, which will cost approximately $800,000, have just been decided upon by the directors. The improvements include the erection of a new building 120 × 620 ft., just to the north of the slip now used by the boats running to 23d St., New York. Pier D, now occupying the space to be taken up by the new building, will be rebuilt and 60 ft. will be added to the north end of the present lobby in the passenger station to connect it with the new section. The principal feature of the new section will be a large immigrant waiting room 160 ft. long by 120 ft. wide. Part of the new building will be used by the Adams Express Co. and part for the handling of freight. M. L. Gardner is Asst. to Principal Asst. Engr., Jersey City.

RIVERSIDE, PA.—It is reported that WILLIAM STEELE & SONS CO., 1600 Arch St., Philadelphia, has been awarded a contract by the Philadelphia Watch Case Co. to erect a 7-story brick and terra cotta office building, 75 × 80 ft., and a 6-story brick, concrete and terra cotta factory, 68 × 313 ft., at Riverside, to cost $400,000.

PHILADELPHIA, PA.—The William Steele & Sons Co., 1600 Arch St., City, has invited estimates on plans for the erection of an 8-story brick and reinforced concrete warehouse for the Acme Tea Co. on most of the ground bounded by Fourth St. and York Ave., Willow and Noble Sts. The building will provide, in addition to warehousing facilities, the general offices of the company. A large power plant in the basement, as well as a cistern of 100,000 gallons capacity and a second cistern with a capacity of 40,000 gallons will be on the roof. The building will have 16 elevators. The main entrance will be on Noble St. The dimensions of the building are as follows: York Ave, 199.9 ft.; Willow St., 166.3 ft.; Fourth St., 94.2 ft.; Noble St., 85.11 ft. The cost will be about $300,000.

PHILADELPHIA, PA.—The McCAUL CO., 10 North Eleventh St., has been awarded the contract for constructing a store and loft building at Eleventh and Market Sts. for the Denckla Estate. The structure is to be made of brick and terra cotta, and will be eight stories high. Estimated cost, $300,000.

BALTIMORE, MD.—Haskell & Barnes, Archs., Wilson Bldg., have prepared preliminary plans and specifications for an armory for the Maryland Division of the Boys' Brigade. The structure is to be 1-story, 177 × 288 ft., with concrete-block exterior. Cost, $100,000.

WASHINGTON, D. C. — GEORGE F. PAYNE & CO., 401 South Juniper St., Philadelphia, Pa., has secured contract for constructing a $500,000 residence at 18th St. and New Hampshire Ave. for Perry Belmont, 580 Fifth Ave., New York, N. Y. It will be three stories high, and will be constructed of stone and steel.

WASHINGTON, D. C.—Bids were received Feb. 11 at the office of Capt. John Stephen Sewell, Engr. Corps, Officer in Charge of Construction at the U. S. Soldiers' Home, Washington, for elevators in the new mess

hall and dormitories at that institution. Bids were on (a) two elevators, Nos. 1 and 2, double screw, switch control; (b) one elevator, No. 3, single screw, switch control; (c) two elevators, Nos. 4 and 5, single screw, switch control; (b1) one elevator, No. 3, double screw, switch control; (c1) two elevators, Nos. 4 and 5, single screw, push button control; (d) additional safety devices: A. B. See Electric Elevator Co., 220 Broadway, New York, N. Y., (a) $11,100, (c) $6,400, (c1) $6,500; Brodessor Elevator Mfg. Co., Milwaukee, Wis., (a) $14,700, (b) $4,600, (c) $9,970, (b1) $7,380; Marine Engine & Machine Co., 126 Liberty St., New York, (a) $11,962, (b) $4,643, (c) $7,135, (b1) $5,125, (d) $7,454; Otis Elevator Co., 17 Battery Pl., New York, (a) $12,995, (b) $4,180, (c) $6,050, (b1) $4,400, (c1) $6,480, (d) $2,400, $1,000.

WASHINGTON, D. C.—Bids are asked until 2 p. m., March 4, by Capt. John Stephen Sewell, Constr. Engr., for furnishing window and door frames, and for painting and finishing all other millwork and joinery for the new mess hall and dormitory building, U. S. Soldiers' Home, Washington. (Advertised, Engineering News.)

CHARLESTON, S. C.—Bids are asked until 11 a. m., March 23, by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for constructing officers' quarters and dispensary building at the Navy Yard, Charleston. Specifications are on file at office of Engineering News, New York.

NEW ORLEANS, LA.—It is reported that the following bids have been received by the Court House Commission for erecting the proposed court-house: James Stewart & Co., 135 Broadway, New York, N. Y., $1,033,100; Wells Bros., 160 Fifth Ave., New York, N. Y., $1,002,162; Geo. J. Glover, $993,452; Tom Lovell & Sons, $970,391; Miles & Bradt, $920,976; Ambrose B. Stannard, St. James' Bldg., New York, N. Y., $887,500.

A. ASCHAFFENBERG, 129 Carondelet St., has secured the contract to erect a 10-story building for the Baronne Improvement Co., at Barrone and Gravier Sts., to cost about $197,000. Favrot & Livaudais, 839 Gravier St., are Archs.

CINCINNATI, OHIO.—Elzner & Anderson, Archs., 136 Ingalls Bldg., are preparing plans for a school building for the Board of Education. Estimated cost, $150,000.

A. L. Pachoud has announced that he proposes to erect an apartment house at the corner of Brewster Ave. and Montgomery Road, Evanston, which will cost $100,000 or more. The building will face on three streets, one of them not yet announced. It will have a frontage of 200 ft. on Brewster Ave. and the same on the unnamed thoroughfare and 250 ft. on Montgomery Road. The building will set back near 100 ft. from the intersection of Brewster and Montgomery, the lot being angular at that point. The apartment house will contain a large court. The building will be arranged into 24 flats of five rooms each, making a total of 120 rooms. Besides these there will be from 25 to 50 rooms for servants. The exterior will be of iron-spot brick and stone tfrimmings.

INDIANAPOLIS, IND.—Plans have been prepared by Rubush & Hunter, American Central Life Bldg., for a 3-story city hall and auditorium building. Cost, $400,000.

LANSING, MICH.—Bids are asked until Feb. 26 by the State Capitol Commission for furnishing stone for the exterior facing of the new capitol to be built here. E. E. Myers, 732 Second Ave., Detroit, is Arch. Noted in issue of Feb. 14.

OWOSSO, MICH.—Bids are asked until 3 p. m., March 21, by James Knox Taylor, Superv. Arch., Washington, D. C., for complete construction of post-office at Owosso. (Advertised, Engineering News.)

CHICAGO, ILL.—It is reported that work is to begin May 15 on the Princess Theater, to be built by Mort A. Singer and associates at 251 South Clark St. It will have five stories, and will be constructed of brick and stone, with a seating capacity of 1,400. Estimated cost, $150,000. S. M. Crowen, 85 Dearborn St., is Arch.

HULBERT & DORSEY, 211 East Randolph St., have the plumbing contract for a stable and warehouse building, being erected at 1706-1714 Wabash Ave., for Rothschild & Co., State and Van Buren Sts. The structure will be seven stories, 100 × 167 ft., built of brick and concrete. Cost, $250,000.

NORTH CHICAGO, ILL.—Bids are asked until noon, April 1, at the Bureau of Navigation, Navy Dept., Washington, D. C., for the construction of buildings at the naval training station on the Great Lakes at North Chicago, Ill. If possible, the contract for the entire work will be let as a whole, instead of dividing it into smaller contracts for respective buildings and other projects connected with the new institution. There is a fund at present available of $750,000, but the contract itself will aggregate $2,000,000. Plans and specifications can be seen after March 1, upon application to the architect, Jarvis Hunt, 1407 Monadnock Block, Chicago, or the Commandant of the Naval Training Station, North Chicago.

GREEN BAY, WIS.—Bids are asked until 3 p. m., March 23, by James Knox Taylor, Superv. Arch., for construction of post-office and court-house at Green Bay. German & Bignell, Torrey Bldg., Duluth, Minn., are Archs. (Advertised, Engineering News.)

ST. PAUL, MINN.—The contract for constructing the front half of the foundations of the Roman Catholic Cathedral has been awarded to LAUER BROS., foot of Chestnut St. Cost for this is $74,000, and for the building, $150,000.

KANSAS CITY, MO.—C. A. Smith, Dwight Bldg., is preparing plans for a 7-story building, 96 × 132 ft., for the Y. M. C. A. C. S. Bishop is Secy., 810 Wyandotte St. Brick and stone, iron and steel work, fire escapes, hard plaster, marble wainscoting, combination light fixtures, nickel plumbing, skylights, etc., will be used. Cost, $250,000.

Plans are being prepared by Louis G. Curtis, 1114 McGee St., for a 12-story addition to the Baltimore Hotel for the Baltimore Hotel Co. D. J. Dean, Pres.; A. J. Dean, Secy. and Treas., Eleventh and Baltimore Sts. Estimated cost, $800,000.

LITTLE ROCK, ARK.—W. S. Holt, Postmaster, has received the drawings for the new Federal building, which is to be erected here next summer and now has them on file in his office. The new building will be located on the half block with the present post-office building and will front on West Second St. adjoining Spring St. on the west. The plans include offices for the money order department and mail registry department, with a large work room and distributing room in the center. The postmaster's office, private reception room and offices for his assistant will also be located in the new building. A long lobby will be next to Spring St. with suitable approaches on West Second St. The material of which the building is to be constructed and the further specifications have not been noted on the plans. The building is to cost $150,000. James Knox Taylor is Superv. Arch., Washington, D. C.

GUTHRIE, OKLA.—The MANHATTAN CONSTRUCTION CO. has contract, at $130,000, for erection of proposed court-house for Logan County.

PORTLAND, ORE.—E. A. Baldwin, McKay Bldg., advises us that an office building for the medical profession, 100 × 100 ft., is to be erected at Park and Alder Sts. The building will be constructed of pressed brick with a steel frame, and will be six stories high. Whidden & Lewis, Concord Bldg., are Archs. Estimated cost, $175,000.

LOS ANGELES, CAL.—The contract for the steel to be used in the new Y. M. C. A. building on Hope St., near Seventh, has been let to the UNION IRON WORKS. This part of the building material will cost about $102,000. Work is progressing rapidly. The excavating is done, the retaining walls are in and the foundation walls are now being laid.

SAN FRANCISCO, CAL.—It is reported that Mrs. Ellen M. Fife will replace the Luning Building on the corner formed by the intersection of Market, California and Drumm Sts., with an 8-story, Class A, steel frame structure, at a cost of about $175,000. E. J. Vogel, Arch., has made plans for a modern office building, equipped with the latest appliances, including two high-speed elevators. The halls and vestibules will be of marble, and stone pilasters will ornament the exterior. The structure is to be completed in eight months.

C. F. Kohl has applied for a permit to erect a 7-story reinforced concrete building on the west side of Third St., north of Mission, to cost $139,000.

The Edward Barron Estate has made application to the Board of Works for a permit to erect a 7-story brick building on the corner of Geary and Taylor Sts., at a cost of $579,000.

SALT LAKE CITY, UTAH.—It is reported that Henry J. Schlacks, Arch., Borden Blk., Chicago, Ill., is taking figures on the general work, except heating and plumbing contracts, which will be awarded separately, for a railway station to be built at Salt Lake City, for the Denver & Rio Grande R. R. Co. It will cover 105 × 340 ft., be 2-story, except the central part, to contain the waiting room, which will be 75 ft. high, of fireproof steel and concrete construction, with concrete foundation, and cost, including platform and subways, $600,000. A. Ridgway is Acting Engr. of Bridges and Buildings.

TORONTO, ONT.—A theater, to cost about $150,000, is to be built here by the manager of the Star Theater.

OTTAWA, ONT.—The Grand Trunk Ry. System has formed plans for a central station, to cost $250,000 and a hotel adjoining to cost $1,250,000. According to plans and drawings submitted, the new hotel will be a fireproof structure of brick, cement and steel, ten stories in height above the basement, with a frontage on Rideau St. of 200 ft. The station will be erected on the south side of Besser St., with a plaza behind, having an area of 30,000 sq. ft. and in addition there will be driveways for baggage and express wagons, etc., permitting the use of it by the four railways, G. T. R.; C. N. R.; C. P. R., and O. & N. Y. R. M. Donaldson is Supt. G. T. R., Ottawa.

OWEN SOUND, ONT.—Bids are asked until Feb. 25 by the Department of Public Works, Ottawa, Ont., for construction of a public building at Owen Sound, Ont.

WATER SUPPLY—IRRIGATION.

BOSTON, MASS.—Bids are asked by Capt. George L. Goodale, Const. Q. M., until March 5, for constructing water distributing system at Fort Andrews, Peddocks Island, Boston Harbor, Mass.

SPRINGFIELD, MASS.—Bids are asked until noon, March 2, by the Board of Water Commissioners, for supplying a quantity of c.-i. water pipe. E. E. Stone is Chn. (Advertised, Engineering News.)

PAWTUCKET, R. I.—The contract for installing pumping engine for the municipal water-works at No. 1 pumping station has been awarded to the R. D. WOOD CO., 400 Chestnut St., Philadelphia, Pa., at $79,400. George A. Carpenter is City Engr.

NEW HAVEN, CONN.—At the annual meeting of the New Haven Water Co., held recently, Eli Whitney, Pres., addressed the stockholders upon the condition of the property, cited the opening of the $2,000,000 filter last March, and the starting of the erection of the new dam in the Woodbridge glen, and the completion of the new road through the glen. The improvements at Woodbridge are estimated to cost about $125,000. The president also announced that a canal is being dug near Lake Saltonstall, to cut off the flow of water into the peat swamp. This will bring the water above the swamp directly into the lake. It was decided to begin constructing a $350,000 dam above Lake Dawson in West River, about eight miles from this city. This is for a storage reservoir, and many acres of land in the vicinity have been acquired for storage purposes. This new storage reservoir will hold between 600,000,000 and 800,000,000 gallons of water. The management hopes to begin work on this dam this year. Another important improvement to be undertaken is construction of a standpipe at Mill rock. This is intended to supply Prospect Hill with water while Lake Wintergreen is being cleaned. It will be permanent, and can be used as an auxiliary when necessary. The directors elected are as follows: James English, Richard M. Everit, George D. Watrous, Eli Whitney, Samuel E. Merwin, Max Adler, Winston J. Trowbridge, Samuel Hemingway, Burton Mansfield. The West Haven Water Co., which is controlled by the New Haven Water Co., also reorganized with election of following directors: James English, George D. Watrous, Eli Whitney, Samuel E. Merwin and Max Adler.

BUFFALO, N. Y.—Bids are asked by the Department of Public Works until 11 a. m., Feb. 26, for carting all c.-i. pipe and special castings required by the Bureau of Water, from March 1, 1907, to July 1, 1908. Francis G. Ward is Comr. Pub. Wks.

BROOKLYN, N. Y.—The following bids were received Feb. 6 for furnishing, delivering and laying water mains in Flushing and other streets, Brooklyn: Borough Construction Co., 44 Court St., Brooklyn, $253,207; Hammond & Sloane, 60 Wall St., New York $257,000; Interurban Construction Co., Brooklyn, $224,772.

NEW YORK, N. Y.—Bids are asked by John F. O'Brien, Commissioner Water Supply, Gas and Electricity, until 2 p. m., Feb. 27, for furnishing and delivering stop cocks, hydrants, hydrant heads, wooden hydrant boxes, drinking troughs and cast-iron hydrant fenders.

NEW YORK, N. Y.—Bids are asked until 3 p. m., March 7, by the Park Board, for laying water mains in Central Park, between 59th and 72d Sts. Moses Herrman is Pres.

NEW YORK, N. Y.—Bids are asked by the Board of Water Supply until 2 p. m., March 18, for constructing portions of the Catskill Aqueduct, aggregating 10.73 miles in length. For estimates of quantities, see advertisement. J. Waldo Smith is Ch. Engr. (Advertised, Engineering News.)

Bids are asked by John H. O'Brien, Comr. Dept. Water Supply, Gas and Electricity, until 2 p. m., March 13, (1) for furnishing and delivering cast-iron special castings, Boro. Manhattan; (2) for furnishing, constructing and remodeling the Ridgewood pumping station, north side of Atlantic Ave., between Logan and Chestnut Sts., Boro. of Brooklyn, and (3) for furnishing, delivering and erecting coal-weighing scales at various pumping stations.

YONKERS, N. Y.—We are officially advised that the contract for furnishing 1,500 lengths of 8-in. pipe will be awarded to the United States Cast-Iron Pipe & Foundry Co., 80 Broadway, New York, provided the deliveries will be made as stated by their representative. The bid of R. D. Wood Co., 400 Chestnut St., Philadelphia, was figured on short ton. J. J. Devitt is Pres. Bd. Water Comrs.

NIAGARA FALLS, N. Y.—Water mains are to be constructed in Haeberle Ave., from 15th St. to Portage Road; in 13th St., from Pine to Walnut Sts.; in Grand Ave., from 20th to 22d Sts.; in Sugar St., from Whitney to La Salle Aves. Total cost, $3,778.

ROME, N. Y.—It is reported that the Board of Water and Sewer Commissioners contemplates constructing the Fish Creek water system. John L. Plunkitt is City Engr.

NEW EGYPT, N. J.—We are officially informed that Walter E. Sexton, C. E., 1910 Market St., Philadelphia, Pa., has been selected to prepare plans and specifications for improving water-works. A stand-pipe or tank and tower will be constructed.

BRADFORD, PA.—It is reported that the Water Department has selected Charles C. Hopkins, of Rome, N. Y., to prepare plans for constructing reservoir on hill north of Center St., having capacity of 4,000,000 gallons. A. F. Bannon, Jr., is City Engr.

CUMBERLAND, MD.—D. G. Adelsberger, 722 Pennsylvania Ave., Baltimore, Md., has submitted proposition to the Board of Water and Electric Light Commissioners to furnish water to Cumberland from the Savage River by gravity system. Estimated cost is between $400,000 and $500,000.

WASHINGTON, D. C.—The Bureau of Construction and Repair, Navy Dept., Washington, D. C., has awarded to the BABCOCK & WILCOX CO., 85 Liberty St., New York, contract for furnishing marine boilers for colliers "Vestal" and "Prometheus," at Mare Island and New York navy yards, respectively, at $147,000.

The District Commissioners have awarded to M. J. DRUMMOND & CO., 182 Broadway, New York, contract for furnishing pipe specials at $63.85 per ton. But one other bid was received at this opening, that of the Lynchburg Foundry & Machine Co., Lynchburg, Va., at $66.10 per ton.

Bids were received Feb. 5 at the Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., for (a) six marine straight water tube boilers for Mare Island, (b) six marine straight water tube boilers for New York, (c) one heavy forge lathe, Mare Island, as follows: Babcock & Wilcox, 85 Liberty St., New York, (a) $81,000; (b) $72,990. Mosher Water Tube Boiler Co., 1 Broadway, New York, (a) $89,200, $93,700, $114,700, $119,200; (b) $84,700, $89,200, $92,600, $100,700. Henshaw, Buckley & Co., 216 Spear St., San Francisco, Cal., (c) $14,275, $15,485. Niles-Bement-Pond Co., 111 Broadway, New York, (c) $15,885, $15,550.

WASHINGTON, D. C.—Bids are asked by the Bureau of Yards and Docks, Navy Dept., Washington, until 11 a. m., March 30, for erecting 100,000-gallon elevated steel water tank and tower at Naval Hospital, New Fort Lyon, Bent County, Colo. H. H. Rousseau is Chief of Bureau. (Advertised, Engineering News.)

DECATUR, GA.—Bids are asked until [illegible] p. m., March 5, for furni[illegible] all material and labor required for co[illegible]ting water-works system. E. H. Ma[illegible] Clk. H. S. Jaudon, at Thomasville, Ga. [illegible] Engr. (Advertised, Engineering News.)

APALACHICOLA, FLA.—[illegible] are being received by the city for [illegible]shing water mains. H. W. Morgan is E[illegible]

FERNANDINA, FLA.—Th[illegible] has awarded contract to MR. WALKI[illegible] St. Augustine, Fla., for drilling an [illegible]tional well, increasing the water supply. L. Baltzell is Secy. Board of Trade.

WYLAM, ALA.—The Bi[illegible]am Water-Works Co., Birmingham, A[illegible] has secured franchise to lay mains for [illegible]plying the town with water.

LEWISBURG, TENN.—The [illegible] will install water-works and electric lig[illegible]plant. Total cost, $30,000. Thomas E. A[illegible]lor is Chn. Water-Works Com.

DETROIT, MICH.—The Bo[illegible] of Water-Works has ordered constructe[illegible] 42-in. main, about 1½ miles long, between [illegible]neyword and Livernois Aves. Estimated [illegible], $175,000. Robert H. McCormick is City Engr.

GRAND RAPIDS, MICH.—The Grand Rapids Hydraulic Co. has [illegible]ed to construct a new pumping statio[illegible] be located south of old plant near Upper [illegible]nal St.

TRAVERSE CITY, MICH.—The City Council has awarded to the U. S. CAST-IRON PIPE & FOUNDRY CO., 80 Broadway, New York, contract for iron mains to be built. Cost, $21,000.

WAUKEGAN, ILL.—We are officially advised that a report has been submitted to the city by John Ericson, Engr., 701 Chicago Opera House Bldg., Chicago, in which three possible plans for installing water-works system have been outlined, each including an intake beneath Lake Michigan, costing $211,000, or over. Proposition 1 calls for location of the pumping station in the vicinity of present station (length of tunnel 11,000 ft.), with one horizontal cross-compound pumping engine of 5,000,000 gallons capacity, estimated cost, $24,000; and one engine of 10,000,000 gallons capacity to cost $35,000; discharge mains to cost $16,000. Total estimated cost, $392,518. Proposition 2 calls for pumping station to be located at north limits of the city (length of tunnel 3,000 ft.), with same engines as in Proposition 1, and discharge mains to cost about $6,000. Total estimated cost, $424,848. Proposition 3 calls for same location of pumping station as in Proposition 1 (length of tunnel, 3,000 ft.), two pumping engines of 5,000,000 gallons capacity, $48,000, discharge mains, $10,000. Total estimated cost, $315,841. W. R. Miller is Supt. Pub. Wks.

MATTOON, ILL.—The Mattoon Water Works & Reservoir Co., recently incorporated, will construct reservoir to impound surface water; dam, concrete spillway, six or seven miles of 10 to 16-in. pipe, pumping machinery, etc. Estimated cost, $100,000.

ROCKWELL CITY, IOWA.—Bids are asked until 1 p. m., March 7, for constructing joint drain No. 12-38, in Webster and Calhoun Counties. B. E. Stonebreaker, Calhoun, is County Audr., at Rockwell City. H. S. Holm is Webster County Audr., at Ft. Dodge.

STORM LAKE, IOWA.—Bids are asked by the Board of County Supervisors until 10 a. m., March 5, for constructing ditches in drainage district No. 5. E. D. Hoxsey is County Audr.

BATTLE LAKE, MINN.—It is reported that the city will install new water-works.

HOLTON, KAN.—See under Light and Power Plants.

MITCHELL, NEB.—The Secretary of the Interior has awarded contract to the S. R. H. ROBINSON & SON CONTRACTING CO., of St. Louis, Mo., for construction of a diversion dam and headworks, North Platte Irrigation Project, Wyo.-Neb., at $217,850. This dam, known as the Whalen dam, is situated about 150 miles down the river from the Pathfinder dam, its purpose being to divert the water into the Interstate Canal. Its construction involves excavation of about 90,000 cu. yds. of earth and rock, furnishing and placing in structures about 10,000 ft. B. M., of lumber, and construction of about 8,000 cu. yds. of concrete masonry.

TILDEN, NEB.—It is reported that the city will install a new water-works system.

BELLE FOURCHE, S. DAK.—Bids are asked by the United States Reclamation Service until 3 p. m., Apr. 10, for constructing Sections 2 to 8 of the South Canal with appurtenant structures, in connection with the Belle Fourche Project, South Dakota. The work consists of approximately 900,000 cu. yds. of canal excavation, 7,200 cu. yds. of concrete and 1,295 lin. ft. of tunnel. E. A. Hitchcock is Secy., U. S. Reclamation Service. (Advertised, Engineering News.)

PARKER, S. DAK.—Bids are asked by the Board of County Commissioners until 9 a. m., April 3, for constructing the Reynolds and Erickson drain ditches. E. W. Browne is County Audr.

VELVA, N. DAK.—The city contemplates installing new water-works system.

CODY, WYO.—The Secretary of the Interior has awarded to the NEW JERSEY FOUNDRY & MACHINE CO., 9 Murray St., New York, contract for furnishing high-pressure gates for Shoshone and Pathfinder dams, Wyo., at $123,500.

GREAT FALLS, MONT.—Plans, specifications and bidding sheet for constructing dam on Willow Creek, about five miles northwest of Augusta, Mont., are on file at office of Engineering News, New York. Bids are asked until 2 p. m., March 15. (Advertised, Engineering News.)

HUNTLEY, MONT.—Bids are asked by the United States Reclamation Service until 3 p. m., Mar. 12, for furnishing 20,000 bbls. of Portland cement, f. o. b. cars at works of bidder. E. A. Hitchcock is Secy. U. S. Reclamation Service. (Advertised, Engineering News.)

ROLLA, MO.—Bids are asked by the Mayor and Board of Aldermen until 7 p. m., Mar. 4, for constructing water-works and sewer systems. The following approximate quantities of material will be required: 21,000 ft. water pipe, 20,000 ft. sewer pipe, air compressor, two centrifugal pumps, Corliss engine and generator, concrete reservoir, 33 hydrants and ten flush tanks. E. G. Harris and A. L. McRae are Consult. Engrs. (Advertised, Engineering News.)

PINE BLUFF, ARK.—The Pine Bluff Light & Water Co. has awarded contract for constructing concrete storage reservoir, having capacity of 1,500,000 gallons, to the HOT SPRINGS CONCRETE CO.

EAGLE LAKE, TEX.—We are officially advised that the Trespalacios Rice & Irrigation Co., Col. John N. Simpson, Receiver, is installing an irrigating plant for rice on the Colorado River about ten miles below Bay City, Tex. Estimated cost, $200,000. Total capacity of pumps, 110,000 gallons per minute. The company proposes to irrigate 8,000 to 10,000 acres of rice land this season and 20,000 acres in 1908. Edward Connely, M. E., Houston, Tex., is Consult. Engr. T. L. Smith, Eagle Lake, Tex., is Ch. Engr.

FORT BAYARD, N. MEX.—Quartermaster General Humphrey has approved plans for construction at Fort Bayard of steel tank and trestle of 300,000 gallons capacity, pump shelter, wagon bridge, double ward buildings and two double sets of non-commissioned officers' quarters. Total estimated cost, $84,000.

GEORGETOWN, WASH.—It is reported that the city is considering constructing water-works. John Mueller is Mayor.

SPOKANE, WASH.—Application has been made to the Board of County Commissioners for a franchise to conduct, maintain, and operate a water-works in the Engelhart addition, lying near the south City limits, by Jared and Ida E. Herdlick.

WAVERLY, WASH.—The Railway Land & Improvement Co. will construct a water-works system in the city. An electric light plant will also be installed.

PORTLAND, ORE.—Bids are asked by the U. S. Reclamation Service until 2 p. m., April 15, for excavating the Keno Canal, near Klamath Falls, Klamath Project, Oregon-California. The work consists of about 80,000 cu. yds. of earth and rock excavation. (Advertised, Engineering News.)

ASTORIA, ORE.—It is reported that plans are being prepared for constructing a 200-000,000-gallon reservoir. Estimated cost, $100,000.

ST. BONIFACE, MAN.—Bids are asked by R. Cote, Secy.-Treas., until 5 p. m., March 15, for supplying 25 hydrants. Theodore Bertrand is Mayor.

SASKATOON, ALTA.—Bids are asked by the city until March 20 for (a) laying pipe for water-works and sewers, including 27,000 ft. of trenching; (b) constructing concrete foundation for water tower, and (c) constructing sedimentation basin. James R. Wilson is Mayor.

SEWERAGE.

BROOKLYN, N. Y.—At a recent meeting of the Board of Estimate $2,000,000 in corporate stock was appropriated for construction of relief sewers, plans of which have been drawn up by Consulting Engineer Creuzbaur, in conjunction with the Sewer Bureau officials. The plans for this system are very comprehensive, and the officials are ready now to begin the work. The sewer lines are to be built through the following streets:

Division No. 1, Main Line.—Chauncey St.—Broadway to Rockaway Ave., 42-in. cap; Broadway to Hopkinson Ave., 48-in. cap; Hopkinson to Saratoga Ave., 54-in. cap; Saratoga to Howard Ave., 84-in. cap; Howard to Ralph Ave., 102-in. cap; Ralph to Patchen Ave., 108-in. cap; Patchen to Reid Ave., 114-in. cap; Reid to Lewis Ave., 114-in. cap. Lewis Ave.—Chauncey St. to Macon St., 138-in. cap. Macon St.—Lewis Ave. to Sumner Ave., 138-in. cap; Sumner to Throop Ave., 138-in. cap; Throop to Tompkins Ave., 144-in. cap. Tompkins Ave.—Macon to Halsey St., 162-in. cap; Halsey to Monroe St., 162-in. cap; Monroe St. to Lexington Ave., 162-in. cap; Lexington to Greene Ave., 162-in. cap; Greene to Vernon Ave., 180-in. cap. Vernon Ave.—Tompkins to Marcy Ave., 180-in. cap; Marcy to Nostrand Ave., 180-in. cap. Nostrand Ave.—Vernon to Myrtle Ave., 180-in. cap. Myrtle Ave.—Nostrand to Bedford Ave., 180-in. cap; under subway, special section, approximate, 186-in. cap; Bedford to Skillman, twin section, approximate, 186-in. cap. Skillman St.—Myrtle Ave. to Park Ave., twin section, approximate, 186-in. cap. Park Ave.—Skillman St. to Classon Ave., twin section, approximate, 186-in. cap. Classon Ave.—Park Ave. to Flushing, twin section, approximate, 186-in. cap; Flushing to outlet chamber, twin section.

Brooklyn Ave. Branch.—Prospect Pl.—Grand to Classon Ave., 42-in. cap; Classon Ave. to Bedford Ave., 54-in. cap; crossing subway, special, 60-in. cap; Bedford Ave. to Nostrand Ave., 72-in. cap. Nostrand Ave.—Prospect Pl. to Dean St., 72-in. cap. Dean St.—Nostrand to Brooklyn Ave., 78-in. cap. Brooklyn Ave.—Dean to Fulton St., 90-in. cap. Fulton St.—Brooklyn to Tompkins Ave., 96-in. to 126-in. cap. Tompkins Ave.—Fulton to Macon St., 96-in. to 126-in. cap.

Myrtle Ave. Branch.—Park Ave.—Sumner to Throop Ave., 36-in. cap; Throop to Tompkins Ave., 42-in. cap. Tompkins Ave.—Park Ave. to Floyd St., 48-in. cap; Floyd St. to Stockton St., 54-in. cap; Stockton St. to Myrtle Ave., 60-in. cap; Myrtle to Vernon Ave., 66-in. cap.

Pacific St. Branch.—Pacific St.—Buffalo to Rochester Ave., 42-in. cap; Rochester to Utica Ave., 54-in. cap; Utica to Schenectady Ave., 60-in. cap; Schenectady to Troy Ave., 66-in. cap. Troy Ave.—Pacific to Fulton St., 78-in. cap; crossing subway to Chauncey St., 90-in. cap. Chauncey St.—Troy to Lewis Ave., 90-in. to 96-in. cap.

Classon Ave. Branch.—Myrtle Ave.—Grand to Classon Ave., 48-in. cap. Classon Ave.—Myrtle to Park Ave., 48-in. cap.

Saratoga Ave. Branch.—Saratoga Ave.—Hull to Sumpter St., 30-in. cap; Sumpter to Marion St., 36-in. cap; Marion to Chauncey St., 42-in. cap.

Rockaway Ave. Branch.—Rockaway Ave.—Fulton St. to Sumpter St., 30-in. cap; Sumpter St. to Chauncey St., 30-in. cap.

Ralph Ave. Branch.—Herkimer St.—Howard to Ralph Ave., 30-in. cap. Ralph Ave.—Herkimer to Chauncey St., 42-in. cap.

Skillman St. Branch.—De Kalb Ave.—Bedford Ave. to Skillman St., 42-in. cap. Skillman St.—De Kalb Ave. to Willoughby Ave., 42-in. cap; Willoughby to Myrtle Ave., 48-in. cap.

Wallabout St. Sewer—Outletting through sewer proposed by the Rapid Transit Commission, sections of sewer to be of special shape. Moore St.—Leonard St. to Broadway, 60-in. cap. Broadway—Moore to Wallabout St., 60-in. cap. Wallabout St.—Broadway to Throop Ave., 84-in. cap; Throop Ave. to Harrison Ave., 102-in. cap; Harrison to Marcy Ave., 108-in. cap; Marcy to Nostrand Ave., 120-in. cap.

Division No. 2, Gold St. System.—South Portland Ave.—Hanson Pl. to De Kalb Ave., 136-in. cap. De Kalb Ave.—South Portland to Raymond St., 138-in. cap. Raymond St.—De Kalb Ave. to Johnson St., 144-in. cap. Johnson St.—Raymond St. to Hudson Ave., 144-in. cap; Hudson Ave. to Gold St., 150-in. cap. Gold St.—Johnson St. to Tillary St., 150-in. cap; Tillary to Sands St., 156-in. cap; Sands St. to Plymouth St., approximate, 162-in. cap; Plymouth St. to pierhead line, special section, approximate, 162-in. cap.

Myrtle Ave. Branch.—Myrtle Ave.—Carlton to North Portland Ave., 48-in. cap; North Portland Ave. to Raymond St., 54-in. cap.

Section 3, as provided for in original resolution.—Carroll St.—Third Ave. to Gowanus Canal, 42-in. cap.

BUFFALO, N. Y.—Bids were received Feb. 15, by Board Public Works, Francis G. Ward, Comr., for constructing brick sewer in Elmwood Ave., between Hertel Ave. and City Line, as follows: G. W. Moore, 177 Elk St., $27,000; Wm. Frankini, 699 Seventh St., $25,-880; Miller & Franklin, 903 D. S. Morgan Bldg., $26,000; Louis Gipp, 531 Ellicott Sq., $27,900; Joseph Stabell & Co., 1127 Niagara St., $28,000; Fred J. Mumm, 176 Best St., $29,900, and Lawrence Savage, 381 Ellicott Sq., $47,000.

SYRACUSE, N. Y.—The Board of Contract and Supply has awarded contract to SAMUEL BONN, 654 Burnet Ave., for construction of pipe sewer system in the 17th Ward, at $3,499.

BEN AVON (Pittsburg post-office), PA.—THOMAS SWEENEY & CO., of Pittsburg, have been awarded contract for constructing 21,212 sq. yds. of Telford macadam roadway, 2½-in. surface, 5-in. broken stone; rough stone 8 ins. deep, 1-in. screenings, top dressing, at $1.25 per sq. yd., 16,108 cu. yds. earth excavation, at 41 cts.; 4,335 sq. yds. block brick gutters, 4 × 3½ × 8 on 10 ins., broken stone foundation, at $1.62 per sq. yd.; rough curb, undressed sandstone, 820 ft. at 50 cts. per lin. ft.; concrete on rubble masonry, at $7 per cu. yd. Browne & Layton, Pittsburg, are Engrs.

PITTSBURG, PA.—Bids are asked by John McBride, Boro. Engr., Room 516, Fitzsimons Bldg., Pittsburg, Pa., until 3 p. m., Feb. 25, for constructing waterproof brick building to be used as sewerage pumping station at Emsworth, Pa.

McKEESPORT, PA.—Bids are asked until about April 1 for constructing two 6-ft. brick sewers, each three miles long. T. W. White is City Engr.

SCRANTON, PA.—Bids are asked by C. R. Acker, Director Pub. Wks., until March 9 for constructing lateral sewer in Kellum Court; also for constructing lateral sewer in Wyoming Ave. Henry Jifkins is Ch. Engr. Dept. Pub. Wks.

WASHINGTON, D. C.—Bids are asked by the District Commissioners until noon, March 4, for constructing junction section of trunk sewers. (Advertised, Engineering News.)

CHARLESTON, W. VA.—We are officially advised that the following bids were received Feb. 16, for constructing sewers in Charleston, (a) without time, (b) with time: T. H. Bowman, (a) $188,183, (b) $195,683; C. T. McCrackin & Co., (a) $174,032, (b) $180,-282; Pfaff & Smith, (a) $185,947, (b) $193,447. W. A. Hogue is City Engr.

CROWLEY, LA.—Bids are asked until April 2 for constructing sewerage system. Shelby Taylor is Mayor.

CINCINNATI, OHIO.—W. A. Hollander is lowest bidder for constructing sewer in Beechmont Ave., from Delta to Tweed Aves., at $3,650. Charles N. Dannenhower is Ch. Engr., Bd. Pub. Service.

LIMA, OHIO.—Bids are asked by L. L. Crumrine, Secy. Bd. Service Dept., until March 10, for constructing sewer in South Baxter St. J. K. Brice is Ch. Engr. Pub. Service Dept.

ST. BERNARD (Cincinnati post-office), OHIO.—Bids are asked by George Schroeder, Village Clk., until noon, March 14, for furnishing necessary labor and material for constructing sewer in Sullivan Ave., from a point 138½ ft. north of George St., to Franklin Ave., in District No. 2 of general plan of sewers in St. Bernard, Ohio.

WARREN, OHIO.—It is reported that E. M. Milligan, City Engr., is preparing plans for constructing 18,000 ft. of pipe sewers.

LANSING, MICH.—Contract for constructing sewers in various streets has been let to J. H. ALGATE for $9,072. H. A. Collar is City Engr.

JAMES A. BLACK has been awarded contract for constructing section of Weinman Creek sewer, at $65,000. The section is 1,920 ft. long and for a distance of 1,310 ft. the sewer will be 40 × 60 ins. in size and constructed of brick, while the other 610 ft. will be of concrete.

ANN ARBOR, MICH.—Bids are asked until March 6 for constructing sanitary sewers.

FREEPORT, ILL.—Sewer District No. 12 will be constructed this summer, comprising about five miles of pipe sewers. G. W. Graham is City Engr.

NATIONAL HOME, WIS.—Bids are asked by J. E. Armitage, Treasurer Northwestern Branch, N. H. D. V. S., National Home, Wis., until noon, March 12, for repairing roofs, painting, laying sewer pipe, cement gutters and sidewalks.

CEDAR FALLS, IOWA.—N. A. CAMERY, of Harlan, Iowa, has been awarded contract for constructing 3,768 lin. ft. of storm sewer at $16,005.

CROOKSTON, MINN.—J. E. O'BRIEN & CO., of Crookston, has been awarded contract for constructing 30-in. pipe sewer in Houston Ave., at $4 per lin. ft. The contract for constructing pipe sewers in Alexander, Walsh and River Sts. and in Summit and Linden Aves. has been awarded to JAMES KENNEDY, Fargo, N. Dak., at $6,904. A. M. Childs is City Clk.

FAIRBURY, NEB.—Bids are asked until March 5 for constructing sanitary sewers in districts No. 4, 5 and 8. Estimated cost, $4,218.

BROOKINGS, S. DAK.—Plans and specifications have been completed for constructing sewerage system. G. H. Stoddart is City Audr.

ROLLA, MO.—See under Water Supply-Irrigation.

MARIANNA, ARK.—HAMILTON BROS. CO., of Weatherford, Tex., has been awarded contract for completing sewer system, at $15,650.

SACRAMENTO, CAL.—George Randle, City Engr., has completed specifications for the new sewer and pumping plant, which will be submitted to the Board of Trustees. The contemplated work consists of a reinforced concrete sewer, to extend from Fifth and S Sts. to Fifth and U Sts., thence along U to Front St., where the proposed pumping plant is to be located. Estimated cost, $125,000.

SUSANVILLE, CAL.—ANDY BUCHLER, of this city, has been awarded contract for constructing the Susanville sewer system, at $9,540.

STREETS AND ROADS.

HOLYOKE, MASS. — The BUFFALO STEAM ROLLER CO., Fourth and Carolina Sts., Buffalo, N. Y., has been awarded contract for furnishing a 12-ton steam road roller, at $3,250. Michael F. Walsh is Chmn. Bd. Pub. Wks.

NEW YORK, N. Y.—Bids are asked until 11 a. m., March 6, by Bird S. Coler, Pres. Boro. Brooklyn, for regulating, grading, paving and constructing cross-walks on various streets in Brooklyn.

Bids are asked until 3 p. m., March 7, by the Park Board, for furnishing North River road gravel for Central and Riverside Parks, 400,000 sq. ft. of grass sod and 20,000 cu. yds. of mould where required on parks. Moses Herrman is Pres.

NEW YORK, N. Y.—Bids are asked by John F. O'Brien, Comr. Water Supply, Gas and Electricity, until 2 p. m., Feb. 27, for furnishing materials, repairing and restoring artificial stone sidewalks and curbing and resetting natural stone curbing.

Bids as follows have been received for regulating and grading Webb Ave. from 198th St. to Kingsbridge: J. B. Malatesta, 3169 Jerome Ave., $15,331; O'Leary & Lyons, $15,416; D. W. Moran, $15,629; P. J. Kane, $16,890; Schneider, $16,945; Del Baso, $17,-657; Collins, $17,058; T. F. Murray, $17,-059; C. N. Whitten, $17,274; Bailey, $17,415; Crimmins, $18,212; W. G. Leeson, $19,074.

Bids have also been received for regulating and grading Barretto St. from Simpson St. to Southern Boulevard. F. Del Balso was lowest bidder.

ROCHESTER, N. Y.—The Board of Contract has awarded contracts for brick paving on (a) Ulm, (b) Caroline, and (c) Boston Sts., as follows: (a) F. V. BROTSCH, $12,-766; (b) W. F. & G. W. LAUER, $4,034, and (c) H. B. HOOKER, $5,435. Edwin A. Fisher is City Engr.

STONY POINT, N. Y.—The Board of County Supervisors has awarded contract for constructing the State road in Stony Point to BECKWITH & CO., at $105,585. Work will be started at an early date.

CAMDEN, N. J.—Bids are asked by the Camden County Board of Chosen Freeholders until 11 a. m., March 13, for macadamizing Cove Road, leading from Moorestown Turnpike, Merchantville, through Pennsauken Township to River Road, a distance of 1.78 miles. Fred. W. George is Clk Bd. of Chosen Freeholders. J. J. Albertson is County Engr. (Advertised, Engineering News.)

SOMERVILLE, N. J.—Bids are asked by the Board of Chosen Freeholders until 10 a. m., March 5, for macadamizing 3.14 miles of road in Branchburg Township, leading from North Branch Iron Bridge westerly to the Hunterdon County line, and a spur from North Branch to Central R. R. of N. J. station. Henry W. Baird is Director. (Advertised, Engineering News.)

HARRISBURG, PA.—The City Council has awarded contract to the BARBER ASPHALT PAVING CO., Land Title Bldg., Philadelphia, Pa., for constructing 49,605 sq. yds. of asphalt paving. The WARNER-QUINLAN ASPHALT CO., 438 South Salina St., Syracuse, N. Y., has been awarded contract for constructing 75,000 sq. yds. of asphalt paving. M. B. Cowden is City Engr.

WILLIAMSPORT, PA.—We are officially advised that bids were received Feb. 11 by the Railroad Committee of Councils for constructing the Campbell St. undergrade crossing, as follows: Wilkes-Barre Construction Co., Wilkes-Barre, Pa., $19,120 ;Harman Bros., Reading Pa., $17,232; Reinard & Higgins, Bloomsburg, Pa., $17,684; H. B. & B. E. Failing, Fulton, N. Y., $35,778; Busch & Stewart, Williamsport, Pa., $17,876; Rogers Bros., Albion, Pa., $15,440, and Pennsylvania Steel Co., Steelton, Pa., $28,-373. James F. Fisher is City Engr.

TITUSVILLE, PA.—Bids are asked until March 11 for grading, paving and curbing Main St., with vitrified brick and block, wood block, asphalt block, sheet asphalt, sheet asphalt with brick gutter and standard bitulithic. W. M. Dame, City Clk. (Advertised, Engineering News.)

BALTIMORE, MD.—The contract for macadamizing Erdman Ave. between Harford and Belair Roads, has been awarded to PATRICK REDDINGTON, at $11,273. Benjamin T. Fendall is City Engr.

NORFOLK, VA.—The Boulevard Commission has let contract to the ATLANTIC BITULITHIC CO., at $30,000, for macadamizing part of roadway in Seventh Ward. W. T. Brooke is City Engr.

NORFOLK, VA.—The city contemplates paving Monticello Ave. and widening and paving Chapel St. Estimated cost, $30,220. W. T. Brooke is City Engr.

BESSEMER, ALA.—Contract for improving sidewalks has been let to JOHN BIGLER, at the following bid: 12,000 sq. yds. cement sidewalk at 97 cts; 800 sq. yds. cement alley crossings at $1.30; 400 sq. yds. brick street crossings at $1.70; 100 lin. ft. 4-in. clay pipe drains at 10 cts. William Hugh McEniry is City Engr.

MOSS POINT, MISS.—A. A. LAWLOR has been awarded contract for laying 2,500 lin. ft. of concrete sidewalks.

BRISTOL, TENN.—It is reported that the city will spend $50,000 in repairing streets during the present year.

TAZEWELL, TENN. — The county will spend $10,000 in repairing roads. J. W. Rose is Clk., County Court.

TOLEDO, OHIO.—It is reported that Southard, Ore., will be paved. Frank I. Consaul is Ch. Engr., Bd. Pub. Service.

AKRON, OHIO.—Bids are asked by Sam Huston, State Highway Comr., until March 6, for constructing State highway.

OAKLEY (Cincinnati post-office), OHIO.—Bids are asked by William E. Seilkop, Village Clk., until noon, Feb. 26, for furnishing labor and material for constructing a 4-ft. cement walk on both sides of Linden Ave. from Columbia Road to Cresop St.

MT. GILEAD, OHIO.—Bids are asked until noon, Feb. 27, for grading and paving North Main St. Thad E. Buck is City Engr.

NEWARK, OHIO.—Bids are asked by Sam Huston, State Highway Comr., until March 7, for constructing State highway.

DAYTON, OHIO.—Bids are asked by the Board of Public Service until noon, Feb. 26, for paving and improving various streets with brick, sheet asphalt, bituminous macadam or creosoted wood block pavement. W. A. Maynes is Clk. Bd. of Pub. Service. Robert E. Kline is City Engr.

PORT CLINTON, OHIO.—Bids are asked by J. J. Huber, Village Clk., until noon, March 4, for furnishing necessary labor and material for improvement of Adams St., by paving with vitrified paving blocks, brick, asphalt blocks, or sheet asphalt.

BLOOMFIELD, IND.—The County Commissioners have awarded contract to LEWIS E. LETSINGER, of Jacksonville, for constructing gravel roads in Wright Township, at $4,674.

BRAZIL, IND.—Bids are asked by the County Commissioners until 11.30 a. m., March 7, for constructing 7,915 ft. of gravel road in Van Buren Township. James L. Burns is County Audr.

DECATUR, IND.—Bids are asked by the County Commissioners until March 4 for constructing gravel and macadam roads in Preble, Hartford and Root Townships. C. D. Lewlon is County Audr.

RENSSELAER, IND.—The County Commissioners have awarded contract for construction of 36 miles of stone roads in Remington and Carpenter Townships to W. F. SMITH & CO., of Rensselaer, at $59,700.

VALPARAISO, IND.—The County Commissioners have awarded contract to JOHN McGOVERN, of Chicago, for construction of 20 miles of gravel roads and to the DEMASCO BROS., of Chesterton, for ten miles, and to CONOVER & LABOUR, of Winamac, 15 miles. Total price, $110,000.

VINCENNES, IND.—Bids are asked by the County Commissioners until 1 p. m., March 5, for constructing gravel roads in Vincennes and Kassens Townships. John T. Scott is County Audr.

KALAMAZOO, MICH.—Bids are asked until 5 p. m., March 4, for constructing approximately 30,000 sq. yds. of street paving. Horace E. Ralston is City Clk. M. C. Taft is City Engr. (Advertised, Engineering News.)

BEARDSTOWN, ILL.—The city contemplates paving various streets.

LITCHFIELD, ILL.—The city is considering paving about three miles of business streets.

PEORIA, ILL.—The Board of Local Improvement has decided to pave Lincoln Ave., from Western Ave. to Rush St., with brick. Estimated cost, $9,329. D. H. Roberts is Asst. City Engr.

PEORIA, ILL.—Bids are asked by the Board of Local Improvements, E. A. Furry, Pres., until 2 p. m., Feb. 25, for improving Douglass St. The following is an approximate estimate of material and labor required: 2,135 cu. yds. of excavation; 600 lin. ft. 4 × 20-in. sandstone curbing, furnished, dressed and set; 1,940 lin. ft. of old curbing relined; 112 lin. ft. sandstone protection curb, 4 × 14-in.; 4,270 sq. yds. 5-in. gravel foundation; 4,270 sq. yds. 1-in. sand cushion; 4,270 sq. yds. brick pavement; 4,270 sq. yds. ½-in. sand filler and covering.

NATIONAL HOME, WIS.—See under Sewerage.

WATERLOO, IOWA.—Bids are asked until March 1 for road work in Mt. Vernon Township. F. A. Henry is Township Clk.

DES MOINES, IOWA.—Bids are asked by W. W. Wise and J. W. Campbell, Bd. of Pub. Wks., until 11 a. m., Feb. 25, for constructing all brick and cement sidewalks for the year 1907 that property owners refuse to construct.

PALO ALTO (Newton post-office), IOWA.—Bids are asked by Walter H. Boyd, Clk. Bd. Trustees, Palo Alto Township, until March 3, for road work during ensuing year.

OMAHA, NEB.—Bids are asked by the County Judge until March 16 for paving 7,100 sq. yds. of the Military Road. D. M. Haverly is Clk.

FORT WORTH, TEX.—Bids for paving Throckmorton and Monroe Sts. between 17th and Jackson Sts. with vitrified brick, filler of cement or asphalt, on a 5-in. base of 1 to 9 cement, were received as follows: Carl Cetti, cement filler, $2.16½ per sq. yd.; Texas Construction Co., cement filler, $1.95; asphalt filler, $2.20; F. O. Brown, cement filler, $2, asphalt or bitumen filler, $2.25. John B. Hawley is City Engr.

SEATTLE, WASH.—We are officially advised that HANS PEDERSON, Seattle, has been awarded contract for constructing concrete sidewalks on First Ave. from Pine St. to Denny Way, at $20,977. The following bids were also received: T. Ryan, 28 Sullivan Block, Seattle, $20,997; Sparger Concrete Co., Seattle, $21,656; Coast Concrete Co., Seattle, $21,159, and Allen & Kelty, Seattle, $22,246.

HAWLEY & LANE, Seattle, Wash., have been awarded contract for grading Eastlake Ave. from Almy St. to Twelfth Ave. North, at $56,719. D. C. McCarty, Seattle, bid $63,500. Detailed prices will be given next week under Contract Prices. R. H. Thompson is City Engr.

SPOKANE, WASH.—MITCHEL BROS. and J. H. McALLISTER, of this city, have been awarded contracts for paving various streets. Charles McIntyre is City Engr.

OAKLAND, CAL.—E. B. & A. L. STONE CO. has been awarded contract for macadamizing, draining and setting of gutters on 30th Ave. from Main St., on the Derby Estate, Brooklyn Township, at $3,000.

HAMILTON, ONT.—It is reported that the Board of Works has submitted an estimate of $400,000 for improving streets throughout the city.

TORONTO, ONT.—The Board of Control has awarded contract to GODSON & CO. for asphalt paving, at $4,774. C. H. Rust is City Engr.

MANUFACTURING PLANTS.

SOUTH FRAMINGHAM, MASS.—We are officially advised that Dodge & Day, Engrs., Nicetown, Philadelphia, Pa., have been commissioned by the Denison Mfg. Co., South Framingham, to make a report on the power requirements of its factory.

HUBBARDSTON, MASS.—James E. McMilliam has bought a 125-HP. engine to supply power when ordinary water-power is not available, for the Hygienic Blanket Mills. It is the intention to build a new mill in the spring, the present 3-set plant being too small for the business which is coming to the mill.

MERIDEN, CONN.—The Miller Bros. Cutlery Co., of Meriden, is having plans prepared for an additional factory. The structure will be of brick, 32 × 60 ft., and either three or four stories high.

LA SALLE, N. Y.—The Holyoke Mfg. Co. has bought a site on the La Salle Creek, in the village of La Salle, and will begin at once erection of a plant thereon, for the manufacture of high-grade writing paper and envelopes.

TROY, N. Y.—M. F. Cummings & Son, Times Bldg., Troy, have prepared plans for a new building for the Troy Waste Mfg. Co., to take the place of one burned. The building will be five stories, 130 × 165 ft., and of brick.

ROME, N. Y.—The James A. Spargo Wire Co. has let the contracts for its steelwire mill, to be erected this spring on the plot of 13 acres the company recently purchased in East Rome. The carpenter contract was let to LAWRENCE CAREY and the mason contract to PARRY & JONES. The front of the building will be 300 × 100 ft. James A. Spargo is the Secy. and Treas. of the company.

PHILADELPHIA, PA.—The Riter-Conley Mfg. Co. has been granted a permit for the erection of a 1-story steel-frame wheel plant, to be erected at Nicetown for the Midvale Steel Co., Nicetown. The cost will be $35,000.

FRANKFORD, PA.—We are officially advised that the ground plans of the buildings to be built for the Miller Lock Co., will measure 50 × 195 ft. and 50 × 120 ft. One department will have two stories and the other four. Contracts will be let about March 4. The buildings will be of brick. Estimated cost, $30,000. Heacock & Hockanson, Baily Bldg., Philadelphia, are Archs.

QUAKERTOWN, PA.—M. B. Bean, Lansdale, Pa., is preparing plans for a cigar factory, in which W. K. Gage is interested. The building will have two stories and will be 40 × 120 ft.

WEST CONSHOHOCKEN, PA.—Lynch Bros., Lippincott Bldg., Philadelphia, and Cramp & Co., Commonwealth Bldg., Philadelphia, have plans posted from the James D. Lalor Co., of Washington, for rebuilding that part of the Merion Worsted Mills in West Conshohocken, which was destroyed recently by fire. The building will be 77.5 × 192.2 ft., of stone, three stories high.

SCRANTON, PA.—G. J. Ray, Div. Engr., Delaware, Lackawanna & Western R. R. Co., Scranton, writes us regarding the proposed work in this city, "The proposed new layout includes the following buildings: machine and erecting shop, including boiler and tank shop and basement, 344 × 582 ft.; blacksmith shop, 125 × 300 ft.; foundry, 120 × 400 ft.; pattern shop and storage, four stories high, 60 × 120 ft.; paint shop, 90 × 161 ft.; mines repair shop, 80 × 250 ft.; storehouse and offices, basement, three stories, 60 × 275 ft.; power-house, 90 × 160 ft.; laboratory, 42 × 72 ft., together with scrap platforms, shop yards, miscellaneous material sheds, transfer table, etc. The plans also include a double-deck foundry and casting platform. The entire building arrangement is to be served by a subway through which materials will be transported from one shop to the other by means of narrow-gage electrical equipment. The subway is to be used also as a passageway from one building to the other. The detail plans are being prepared by the Chief Engineer, L. Bush, at Hoboken, N. J., and Company's Architect, Frank J. Nies. All the building work, including steel work and buildings proper, will be handled by company forces. The buildings will be constructed of either concrete or brick, but this has not yet been definitely decided."

READING PA.—A contract has been awarded to GEORGE W. BEARD & CO., Colonial Trust Bldg., for the erection of an addition to the hat factory of E. W. Alexander, at West Reading. A 1-story brick dye-house, 65 × 80 ft., will be built, besides a 2-story dry-house, size 20 × 40 ft. Both will be of fireproof construction. Work will be started at once, so as to be in readiness early in the spring.

HAGERSTOWN, MD.—The Maryland Portland Cement Co., Equitable Bldg., Baltimore, Md., is having plans prepared for a cement plant near this town. There will be a 1 and 2-story brick and concrete building. Complete power plant and cement mill machinery will be installed. Estimated cost, $300,000.

WASHINGTON, D. C.—It is reported that a new building, to cost about $3,000,000, has been recommended for the use of the Bureau of Engraving and Printing, now situated at 14th and B Sts., S. W.

LENOIR, N. C.—The Whitnell Mfg. Co. will build a 6,000-spindle cotton mill at Lenoir this year. J. L. Nelson is the leading promoter. The capital stock of the company will be $100,000 and fine yarns will be the product. Steam power will be used.

CONCORD, N. C.—At Kannapolis the Cannon Mfg. Co. is constructing the foundation for its proposed mill of 30,000 spindles and 900 looms. This plant will cover about seven acres of ground and the building will be one story high, with brick walls, concrete floors and a monitor roof covering the entire structure. At one end will be wing for storing cotton and at the other a building for finishing, packing and storing finished products. Midway between the two will be the steam plant and bleachery. As previously stated, all the machinery will be operated by electricity from the power plant of the Southern Power Co., 70 miles distant, about 5,000 HP. having been contracted for. J. W. Cannon is Pres.

GRIFFIN, GA.—The Kincaid Mfg. Co. will extend its plant to about double the present capacity, expending from $250,000 to $300,000 for the purpose. The plant now has 16,000 spindles and 602 looms.

GLENDALE, KY.—The Glendale Grain Co., Inc., Robert E. Stewart, Pres., will erect an elevator of 40,000 or 50,000 bushels daily capacity. The building will be constructed of steel or concrete.

CINCINNATI, OHIO.—Bert L. Baldwin & Co. are preparing plans for an addition to factory building for the Lodge & Shipley Machine Tool Co.

CLEVELAND, OHIO.—We are officially informed that the Royal Motor Car Co., Cleveland, has retained Dodge & Day, Nicetown, Pa., as Advisory Engineers for the new plant they are preparing to build. The plans have been started and work will be started immediately.

EVANSVILLE, IND.—The Trustees of the Southern Hospital for the Insane will soon ask for bids for erection and equipment of a laundry building. Appropriation, $12,000.

GRAND RAPIDS, MICH.—The Peck Drug Co. has awarded contract for constructing its new 3-story factory building to CHARLES HOERTZ & SON.

CHICAGO, ILL.—I. W. Kelley, Arch., has let carpenter contract to JAMES GILLIARD for a $25,000 factory building for Friedley & Voshardt, 194 Mather St., Chicago.

MONTREAL, QUE.—E. H. Heney Co., carriage manufacturers, propose to erect new buildings on Delorimier Ave., at a cost of $100,000.

SAULT STE. MARIE, ONT.—The United States Bridge Co. will erect a plant here under the name of the Algoma Bridge Co. A. W. Hillier, Mgr.

TORONTO, ONT.—E. J. Lennox, Arch., has prepared plans for a plant for the Dominion Radiator Co. The buildings will be 2,500 ft. long, built of brick and steel.

ST. CATHERINES, ONT.—It is reported that the North American Cobalt Smelting & Refining Co. will erect a smelter here, to cost $300,000.

WELLAND, ONT.—The Billings & Spencer Co., 142 Russ St., Hartford, Conn., manufacturers of drop forgings and machinists' tools, has decided to erect a Canadian branch plant at Welland, Ont. A subsidiary company, called the Canadian Billings & Spencer Co., Ltd., has been organized to operate the branch business. The capital stock of the corporation is $200,000. Organization was effected under the laws of Canada, and Frederick C. Billings, of Hartford, is Pres. The town of Welland has given the company a 12-acre tract of land as a site for the concern, and will practically exempt the company from taxation for a series of years. Two factories, each of brick and steel construction, 60 × 100 ft., will be erected at the outset. One of them will be used for the drop-forging of steel and corrugated-iron construction, and the other for the tool department.

WINNIPEG, MAN.—The Canadian Pacific Ry. Co. has decided upon enlarging the following buildings in the yards here: Passenger car shops, 100 × 241 ft.; freight car shops, 103 × 313 ft.; planing mill, 102 × 217 ft.; blacksmith shop, 102 × 217 ft.; locomotive shop, 794 × 165 ft.; foundry, 122 × 92 ft.; general stores and offices, 86 × 254 ft.; dry kiln, 86 × 42 ft., and power-house, 126 × 100 ft. The total cost of the improvements is approximately $550,000. L. J. Hungerford is Asst. Master Mechanic, Winnipeg; William Whyte, Second Vice-Pres., Winnipeg, Man.

VICTORIA, B. C.—The Bakeries, Ltd., has been organized and will erect a 3-story bakery, with a daily capacity of 3,000 loaves. George Okell, Capital Bakery, is interested.

MISCELLANEOUS CONTRACTS.

FIREBOAT.—New York, N. Y.—Bids are asked until 10.30 a. m., Feb. 27, by Francis J. Lantry, Fire Comr., for constructing and delivering one steel screw propelling fireboat.

EXCAVATION.—Boston, Mass.—Bids are asked until noon, March 20, for rock excavation in Boston Harbor. Maj. Edw. Burr, U. S. Engrs. (Advertised, Engineering News.)

PONTOONS.—Cincinnati, Ohio.—Bids are asked until 2 p. m., March 20, by Lieut.-Col. Wm. T. Rossell, U. S. Engrs., for construction of ten pontoons. (Advertised, Engineering News.)

DREDGING.—Chicago, Ill.—Bids are asked until March 22 for dredging in Calumet River, Ill. Lieut.-Col. W. H. Bixby, U. S. Engrs., Federal Bldg. (Advertised, Engineering News.)

STEEL WALL-LOCKERS. — West Point, N. Y.—Bids are asked until noon, March 22, by the Quartermaster, West Point, for supplying steel wall-lockers. (Advertised, Engineering News.)

BREAKWATER.—Ottawa, Ont.—Fred. Gelinas, Secy. Dept. of Public Works, advises us that the contract for the construction of a breakwater at Phinney's Cove, N. S., has been awarded to JOHN E. & HALLE BIGELOW, of Canning, N. S.

REMOVING BEDROCK.—Detroit, Mich.—Bids are asked until 2 p. m., March 18, by Col. Charles E. L. B. Davis, U. S. Engrs., for removing limestone bedrock from Item B, Lime Kiln Crossing, Detroit River. (Advertised, Engineering News.)

DITCH.—Breckinridge, Minn.—R. P. Glover, County Audr., advises us that contracts for dredging Ditch No. 6 will be let after Feb. 26. Martin Aalberg is Engr., Henning, Minn. Estimated cost, $26,000. There will be about 219,000 cu. yds. of earth excavation.

REPAIRING FERRY-BOATS, ETC.—New York, N. Y.—Bids are asked until noon, March 5, by J. A. Bensel, Comr. of Docks, for repairing the municipal ferry-boats or other floating property of the department and furnishing and delivering miscellaneous supplies.

LOCK-GATE MACHINERY.—Boston, Mass.—Bids are asked until 2.30 p. m., March 18, for furnishing and erecting the machinery for operating two rolling caisson lock-gates. Henry S. Pritchett is Chn. Charles River Basin Commission. (Advertised, Engineering News.)

LOCK AND DAM, ETC.—Cincinnati, Ohio.—Bids are asked until 2 p. m., March 22, by Maj. J. G. Warren, U. S. Engrs., for constructing Lock and Dam No. 11, two dwellings, two outhouses, two cisterns and one office building, near Ellis, Ohio. (Advertised, Engineering News.)

CHANNEL IMPROVEMENTS. — Boston, Mass.—Bids are asked until March 1, 2 p. m., by the Board of Harbor and Land Commissioners, State House, Boston, for widening and deepening a portion of the Reserved Channel on the South Boston Flats. Frank W. Hodgdon, Ch. Engr.

DREDGING.—Des Moines, Iowa.—Bids are asked until March 20 for improvement of the Des Moines and Raccoon Rivers within the corporate limits of this city, consisting of dredging, riprap work, concrete construction, etc. Estimated cost, $200,000. Address George D. Dobson, City Engr.

CAPSTANS.—Norfolk, Va.—Bids are asked until 11 a. m., March 30, by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for nine electric capstans and accessories for dry dock, Navy Yard, Norfolk. H. H. Rousseau, Ch. of Bureau. Specifications are on file at office of Engineering News, New York.

CAPSTANS.—Charleston, S. C.—Bids are asked by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., until 11 a. m., March 30, for furnishing seven electric capstans and accessories for the dry dock, Charleston, S. C. Specifications are on file at office of Engineering News, New York. H. H. Rousseau, Ch. of Bureau.

DREDGING.—Philadelphia, Pa.—One bid was received only by the Board of Port Wardens, Philadelphia, on Feb. 4, for dredging docks, not belonging to the city, and in the front of docks, not belonging to the city, where city sewers empty. The AMERICAN DREDGING CO., Philadelphia, was awarded contract at 23 cts. a cu. yd. Joel Cook is Pres.

LEVEE.—Walnut Hill, Ark.—Bids were received on Feb. 11 by W. R. Salmon, Pres., Long Prairie Levee District, Lafayette County, for construction of approximately 500,000 cu. yds. of enlargement and new levee work. Bids were not opened, and work probably will be readvertised soon. Estimated cost, $90,000. W. B. Bell is Ch. Engr., Walnut Hill.

SPILLWAY DAM.—San Francisco, Cal.—Bids were received on Feb. 8 for enlarging spillway and building portion of dam known as the Barrier, Yuba River, Cal. Maj. Wm. W. Harts, Engrs., Secy. of California Debris Comn., 1733 Pine St., advises us that it has been recommended to the Chief of Engineers, U. S. A., that the bid of Edward Malley, of San Francisco, be accepted, at $151,093.

DREDGING.—Columbus, [illegible]—Bids were received on Feb. 12, by the [illegible]ate Board of Public Works, for dredging [illegible] Miami and Erie Canal between Miami[illegible] and Middletown, a distance of about [illegible] miles, estimated at 315,000 cu. yds. of [illegible]vation. Contract was awarded to THO[illegible] P. STRACH, of Cincinnati, Ohio. Char[illegible] E. Perkins is Ch. Engr. of Public Works [illegible] Ohio.

TUG.—Washington, D. C. [illegible] The Revenue Cutter Service, Treasury D[illegible] has rejected the bid received Feb. 5 for [illegible] ocean-going tug, to be known until laun[illegible] as Revenue Cutter No. 16, and has issu[illegible] modified specifications. Bids will be ope[illegible] for this tug at 2 p. m., Feb. 26, at the [illegible]asury Dept., Washington, D. C. Deliver[illegible] to be made to the Government at the w[illegible] of the successful bidder.

UNDERGRADE CROSSI[illegible] — Louisville, Ky.—The Board of Public W[illegible]ks will receive proposals some time in [illegible]arch for construction of an undergrade c[illegible]ssing in Oak St. under the tracks of the [illegible]nois Central R. R. Length 816 ft., width [illegible]5 ft. Estimated cost, $65,000. The [illegible]nois Central R. R. will let separate co[illegible]ct for steel superstructure. J. P. Clay[illegible]k is City Engr. A. S. Baldwin is C[illegible] Engr. I. C. R. R., Chicago.

DRY DOCK APPROACHES [illegible]DREDGING, ETC.—Norfolk, Va.—Bids we[illegible] received as follows on Feb. 16, by the Bu[illegible]u of Yards and Docks, Navy Dept., Wash[illegible]gton, D. C., for constructing timber wha[illegible], removing dry dock cofferdam and dredg[illegible] at Navy Yard, Norfolk. H. H. Rouss[illegible] is Ch. of Bureau: Coastwise Dredging Co., National Bank Commerce Bldg., Norfolk, Va., $63,000; Sanford & Brooks Co., 15 South St., Baltimore, Md., $71,700.

AMUSEMENT PARK.—Jackson, Mich.—The Wolverine Park Co. will receive bids until about May 1 for electrical equipment, boats, etc., for new amusement park. W. H. Fargo is Engr., Jackson. J. C. Hobart is Pres., Jackson. Estimated cost, $40,000. The Wolverine Park Co., of Jackson, organized for the purpose of improving Vandercook Lake property, has been incorporated with capital stock of $100,000. It is planned to erect pavilions, a scenic railroad, and all the usual accompaniments of an electric park.

BREAKWATER. — Revere, Mass. — Bids were received by Harbor and Land Commissioners, Frank W. Hodgdon, Ch. Engr., State House, Boston, on Feb. 15, for building a breakwater about 1,000 ft. long, with a shore arm about 400 ft. long at Cherry Island Bar, in the town of Revere, to be constructed of granite quarry grout in large blocks. It is estimated that about 50,000 tons of stone will be required. The bids were as follows: (A) Stone, per ton; (B) each iron clamp: Rockport Granite Co. and Pigeon Hill Granite Co., Rockport, (A) $1.13; (B) $3.90. Richmond F. Hudson, Melrose, (A) $1.20; (B) $3. John Cashman, Quincy, (A) $1.24; (B) $3.75. Estimated cost, $55,000.

READERS' WANTS

If you are in the market for material, equipment or supplies, and fail to find it in our advertising pages, send us full particulars, and we will gladly put you in touch with the right parties.

Also ask for our BUYERS' GUIDE

FLASH STEAM BOILERS.—Thorold, Ont. Can.—The Mausen Mfg. Co. desires to purchase small flash boilers.

GRAVEL PUMPS.—Galveston, Ind.—James Merrell, Galveston, Ind., desires to communicate with manufacturers of gravel pumps.

EXCELSIOR MACHINERY. — Gainesville, Ga.—R. H. Smith, Gainesville, Ga., writes us that he is in the market for excelsior machinery.

CONTRACTORS' EQUIPMENT. — Stockholm, Sweden.—We are informed that Gustaf Svalling, Stockholm, Sweden, is in the market for contractors' equipment.

STEAM ENGINES.—White Plains, N. Y.—Wm. M. O. Quimby, White Plains, N. Y., desires catalogues and information relative to two-cylinder oscillating steam engines.

CAST-IRON PIPE.—Wakefield, Pa.—Neal Hambleton, Secy. Bd. Supervisors, Wakefield, Pa., writes us that he desires to purchase 12-in., second-hand cast-iron pipe for culverts.

GARBAGE DISPOSAL PLANT, CHIMNEY—Philadelphia, Pa.—Wm. Woodburn Potter, Arch., 137 East Independence Square, Philadelphia, desires to communicate with firms interested in garbage disposal plants, also chimneys.

TRACTION ENGINES — Northampton, Mass.—The Northampton Talc Co., Northampton, Mass., writes us that it is desirous of communicating with firms making traction engines suitable for drawing heavy loads along country roads.

ROAD ROLLERS, GRADER, CRUSHERS, LOCOMOTIVES, ETC.—Buffalo, N. Y.—Bailey, Johnson & Saunders, Chapin Block, Buffalo, N. Y., write us that they desire to purchase one Buffalo Pitts 10-ton roller, one Western wheel grader and loader, one gyratory portable crusher with bins, elevators and screens; also one road locomotive.

MACHINERY FOR MANUFACTURING SUGAR, COTTON SEED OIL, HYDRAULIC OIL MACHINERY, OIL EXPELLERS, BONE KILNS, BONE FILTERS, DRYERS, ETC.—St. Louis, Mo.—W. L. Garrels, Engr., 1707-1709 West Third St., St. Louis, Mo., desires to communicate with firms manufacturing sugar and cotton seed oil machinery. Also hydraulic oil machinery, oil expellers, bone kilns, bone filters, dryers, etc.

U. S. POSSESSIONS AND CUBA.

EXPLOSIVES.—Panama.—Bids were opened Feb. 16 at the office of David W. Ross, Gen. Purchasing Officer, Isthmian Canal Comn., Washington, D. C., for (a) 600,000 lbs. dynamite, (b) 300,000 lbs. black powder, (c) 40,000 electric exploders. Bids were: E. I. Du Pont de Nemours Powder Co., 170 Broadway, New York, (a1) $66,810, (a2) $62,-880; (b1) $[illegible],200, (b2) $13,200; (c1) $2,813, (c2) $2,813; [illegible] days. National Powder Co., 349 Fifth Ave., New York, (a) $70,850; 65 days. Stauffer, Eshleman & Co., Inc., New Orleans, (b) $40,500; 90 days.

TIES.—Panama.—Bids were opened Feb. 16 at the office of David W. Ross, Gen. Purchasing Officer, Isthmian Canal Comn., Washington, D. C., for (a) 150,000 hewn railroad cross ties, 7 × 9 ins × 8½ ft., and (b) 100 sets switch ties. Bids were: Camp & Hinton, Inc., Hibernia Bank Bldg., New Orleans, (b) $8,105; 45 days. Chicago Lumber & Coal Co., Fullerton Bldg., St. Louis, (a) and (b) $[illegible],401; 200 days. J. C. Costello Lumber Co., Mobile, Ala., (a) and (b) $150,-227; 175 days. G. S. Baxter & Co., 17 William St., New York, (a) and (b) $159,-888, $158,[illegible]11; 210 days. Southern Sawmill Co., Hennen Bldg., New Orleans, (b) $11,-001. Ensign Lumber Co., Jacksonville, Fla., (b) $6,207; 60 days. G. Elias & Bros., Buffalo, N. Y., $244,068; 60 days.

STEEL RAILS, ETC.—Panama.—Bids were opened Feb. 18 at the office of David W. Ross, Gen. Purchasing Officer, Isthmian Canal Comn., Washington, D. C., for steel rails, etc., (a) 4,000 gross tons steel rails, 70-lb.; (b) 25,000 steel splice bars; (c) 235,000 fel-plates, as follows: Allegheny Forging Co., Frick Bldg., Pittsburg, (b) $13,-250; (c) $37,365 and $28,025; 210 days. Beaver Dam Malleable Iron Co., Beaver Dam, Wis., (c) $26,437; 150 days. Fox Bros. & Co., 126 Lafayette St., New York, (b) $13,-860, 160 days; (c) $32,875, 75 days. R. C. Hoffman & Co., Baltimore, (a) $139,000, 180 days; (b) $9,500, 90 days. Motley, Green & Co., 66 Broad St., New York, (a) $138,000; (b) $8,662 (foreign material); 120 days. United States Steel Products Exports Co., 24 State St., New York, (a) $129,600; (b) $10,-650; (c) $18,470; 90 days.

CIVIL SERVICE EXAMINATIONS

GEOLOGIST.—Philippines.—The U. S. Civil Service Commission announces an examination on March 6 to secure eligibles to fill a vacancy in the position of Geologist in the Philippine Service, at $2,000 a year, and similar vacancies as they may occur in that service. Age limit, 18 to 40 years. Application forms 2 and 375.

ASSAYER.—Kansas City, Mo.—An examination will be held by the U. S. Civil Service Commission on March 6, 1907, to secure eligibles to fill a vacancy in the position of Assistant Assayer, at $1,200 a year, in the office of the Surveyor of Customs at the Port of Kansas City, Mo., and similar vacancies as they may occur in that service throughout the United States. Age limit, 20 years. Application form 1312.

ASSISTANT INSPECTOR OF GAS.—Albany, N. Y.—The State Civil Service Commission will hold an examination March 16 to secure an eligible to fill the position of Assistant Inspector of Gas, at $1,000 a year. The last day for filing applications for these positions is March 11. Full information and application forms for any of these examinations may be obtained by addressing Charles S. Fowler, Ch. Examiner of the Commission, at Albany.

INDUSTRIAL NOTES.

THE BUFFALO FORGE CO. has changed its Cleveland office to 618 Citizens Bldg.

D. CUOZZO announces that he has changed his address to 53 Park Row (World Bldg.), New York.

THE SULLIVAN MACHINERY CO. has established a branch office and warehouse at 12 South 20th St., Birmingham, Ala.

MILLER, FOSTER & CO. is the name of the new firm succeeding H. P. Miller & Co., Real Estate Trust Bldg., Philadelphia.

THE BOSTON & LOCKPORT BLOCK COMPANY'S plant was destroyed by fire on the night of Feb. 1. Loss about $130,000.

THE THOMAS W. IRWIN MFG. CO., Allegheny, Pa., is equipping the following plants with the Irwin System of Skylighting: The machine and bucket shop of the Wheeling Corrugating Co., Wheeling, W. Va.; the Riverside Bridge Co., Martins Ferry, Ohio; the storage building of the Singer Manufacturing Company, Elizabethport, N. J.; and the new addition of the American Clay & Machinery Co., Bucyrus, Ohio.

For other Proposal Advertisements see pages 51, 52, 53, 54, of Advertisements and Construction News page 70.

U. S. ENGINEER OFFICE, 415, Custom-House, Cincinnati, Ohio., February 20, 1907.—Sealed proposals for constructing Lock and Dam No. 11, two dwellings, two outhouses, two cisterns and one office building, near Ellis, Ohio, will be received here until 2 P. M., standard time, March 22, 1907, and then publicly opened. Information furnished on application here or to Edmund Moeser, Assistant Engineer, Zanesville, Ohio. J. G. WARREN, Maj., Engrs. 8-4t

U. S. ENGINEER OFFICE, Jones Building, Detroit, Mich., February 16, 1907.—Sealed proposals for removing limestone bedrock from Item B, Lime Kiln Crossing, Detroit River, will be received at this office until 2 p. m., March 18, 1907, and then publicly opened. Information furnished on application. CHAS. E. L. B. DAVIS, Col., Engrs. 8-4t

PAVING.

Kalamazoo, Mich.

The City of Kalamazoo, Michigan, will receive sealed bids for street paving for thirty thousand square yards, more or less.

Each bid to be accompanied by certified check for 5% of amount of bid. All bids to be in City Clerk's office not later than 5 P. M., Monday, March 4, 1907. Plans and specifications now on file in City Engineer's office. City reserves the right to reject any or all bids.

HORACE E. RALSTON,
City Clerk.
8-1t

WATER-WORKS AND SEWERS.

Rolla, Mo.

The Mayor and Board of Aldermen, Rolla, Mo., will receive bids up to 7 P. M., Monday, March 4th, 1907, for a water-works system and for a sewer system, according to plans and specifications by E. G. Hains and A. L. McRae, Consulting Engineers. There will be about 21,000 ft. water pipe; 20,000 ft. sewer pipe; air compressor; two centrifugal pumps; Corliss engine and generator; concrete reservoir; 33 hydrants, and 10 flush tanks. Payments in cash. Plans on file at Rolla, Mo., and at Engineering News, Chicago office. 8-2t

MACADAM ROAD.

Camden, N. J.

Bids are invited for macadamizing Cove Road, leading from Moorestown Turnpike, Merchantville, through Pennsauken Township, to River Road, a distance of 1.78 miles.

Bids will be received, immediately opened and publicly read at the regular meeting of the Camden County Board of Chosen Freeholders to be held in Camden on Wednesday, March 13th at 11 A. M.

Copies of the plans and specifications can be seen at the office of Fred. W. George, Clerk of the Board, in the Court House, Camden, N. J., or at the office of State Commissioner of Roads, Trenton, N. J. Each bid must be accompanied with certified check in sum of $1,000.00 as a guarantee of good faith.

ALFRED L. SAYERS,
Director.
J. J. ALBERTSON,
County Engineer.
Dated, Magnolia, N. J., Feb. 15, 1907. 8-3t

BOSTON, CAPE COD AND NEW YORK CANAL COMPANY

Invitation to Contractors.

Office of the Boston, Cape Cod and New York Canal Company.
No. 43 Tremont Street,
Boston, Mass., February 6, 1907.

The BOSTON, CAPE COD AND NEW YORK CANAL COMPANY proposes to construct a ship canal, beginning at the mouth of Monument River on Buzzards Bay and running through the towns of Bourne and Sandwich to the shore of Barnstable Bay, together with all such wharves, docks, breakwaters and other structures and works as may be necessary for the convenient use of the said canal in conformity with the provisions of an act of the General Court of the Commonwealth of Massachusetts, approved June 1, 1899 (being chapter 448 of the acts of the said year), as amended by a further act of the said General Court approved July 17, 1900 (being chapter 476 of the acts of the said year), and in accordance with the plans on file in the office of William Barclay Parsons, Chief Engineer, No. 60 Wall Street, New York City, together with the approaches, highways and tunnels and the railroad crossing and change of location provided for in the said acts, and all work appurtenant thereto, all upon the terms and conditions set forth in the form of contract which will be on file in said office on and after February 20th, 1907. Copies of the same and of the form of bond and of contractor's proposal and of the location and plans may be seen at the said office.

Every bidder shall sign the form of contract and file a bond with, and as a part of his bid.

The bond shall be in the penalty of $750,000, to secure performance by the contractor of all obligations undertaken, which bond shall be executed by a surety company, or by sureties satisfactory to and approved by the company. Individual sureties must be residents of Massachusetts.

The bids endorsed "PROPOSALS FOR THE CONSTRUCTION OF THE BOSTON, CAPE COD AND NEW YORK CANAL," with the name of the person or persons, corporation or corporations, making the same will be received at the office of the company, No. 43 Tremont Street, Boston, Mass., until the 28th day of March, 1907, at 12 o'clock noon. The contract shall be awarded to the lowest bidder, satisfactory to the Company and to the Joint Board of Railroad and of Harbor and Land Commissioners of the Commonwealth of Massachusetts, who shall give bond satisfactory to the company.

Each proposal shall be enclosed in a sealed envelope and delivered at the said office to Mr. Robert K. Tomlin representing the Company. No proposal will be received, unless accompanied by a certified check, drawn upon a National or State bank within the City of New York or the City of Boston, payable to the order of the company for the sum of $75,000.

If the bidder shall fail to commence work under the contract as required, or should abandon the contract before or after execution by the company, the said sum shall be forfeited to the company without diminishing or impairing its full right to damages. Such check must not be enclosed in the sealed envelope containing the proposal, but must be separately delivered to the company. All such checks, deposited by bidders whose proposals shall not be accepted by the company, will be returned to the person or persons making the same.

Bidders must state in their proposals their names and places of residence, and, if the bidder shall be a corporation, there shall be submitted a certified copy of its certificate of incorporation, with a certificate of the amount of stock paid in cash, a certified statement of its assets and liabilities, a certified copy of the proceeding authorizing the execution of the contract, and the names and business addresses of all officers and directors of the company shall be stated.

Each bidder shall in his or its proposal specify a place within the City of Boston, at which notices may be delivered, and the delivery of a notice at such place shall be deemed to be a sufficient delivery and notice to such bidder.

The company reserves the right to reject all proposals, and is not to incur any liability hereunder unless a contract be executed by it after approval of the said joint board.

BOSTON, CAPE COD AND NEW YORK CANAL COMPANY.
By
CHARLES C. DODGE,
President.
7-3t

WATER-WORKS.

Decatur, Ga.

Sealed proposals, on blank forms furnished by the City and addressed to the "Mayor and Board of Aldermen, Decatur, Ga.," will be received until 8 P. M., March 5, 1907, for furnishing all material and labor for the construction of a system of water-works at Decatur, Ga., as per plans and specifications adopted by them as follows:

(1) Approximately 480 tons of 8", 6" and 4" cast-iron pipe, and approximately 5 tons special castings (already purchased).

(2) 34 Fire Hydrants, 22 Valves and 22 Valve Boxes.

(3) Two horizontal compound duplex pumping engines.

(4) Two 80-HP. Boilers and Heater.

(5) Furnishing and erecting one Steel Tower and Tank.

(6) Building foundations for tower and tank.

(7) Laying Pipe.

(8) Building Pumping Station.

(9) Erecting Machinery.

(10) Building Reservoir.

Bids will be received for the whole or any part of the above work, and each bid must be accompanied by a certified check for not less than three per cent. of the bid.

The right is reserved to reject any or all bids.

Plans and specifications can be seen at the City Clerk's office at Decatur, Ga., and specifications can be obtained from the Engineer.

JOHN A. MONTGOMERY,
Mayor.
E. H. MASON, Clerk.
H. S. JAUDON, Engineer,
Thomasville, Ga. 8-2t

BRIDGE.

Camden, N. J.

Bids are invited for building a superstructure 96 feet long for a through truss highway bridge over Big Timber Creek, at Clements Bridge, between the Counties of Camden and Gloucester, N. J. Bids will be received, immediately opened and publicly read at the regular meeting of the Camden County Board of Chosen Freeholders to be held in Camden on Wednesday, March 13th at 11 A. M.

Plans and specifications will be mailed to any address on receipt of 25 cents on application to Fred. W. George, Clerk, Camden, N. J., or can be seen at his office in Court House, Camden, N. J., at the office of Engineering News Pub. Co., or at the office of Chas. N. Bell, Clerk, Woodbury, N. J.

By order of both counties.

J. J. ALBERTSON,
Engineer in Charge for Camden and Gloucester Counties.
Dated, Magnolia, N. J., Feb. 15, 1907. 8-3t

MACADAM ROADS.

Somerville, N. J.

The Board of Chosen Freeholders of Somerset County, New Jersey, will receive sealed bids at the Court House in Somerville on Tuesday, March 5, 1907, at ten o'clock A. M., for Macadamizing 3 14-100 Miles of Road in Branchburgh Township, leading from the North Branch Iron Bridge westerly to the Hunterdon Co. line, and a spur from North Branch to C. R. R. station.

Each bid must be accompanied with a certified check for $1,000, payable to the order of Henry W. Baird, Director. The maps, profiles and specifications can be seen at the office of the State Commissioner of Public Roads, State House, Trenton, N. J., and at the office of Joshua Doughty, County Engineer, Somerville, N. J.

The right is reserved to reject any or all bids if deemed to the interest of the County or State.

By order of the Board.

HENRY W. BAIRD,
Director.
Somerville, N. J., Feb. 13, 1907. 8-3t

U. S. ENGINEER OFFICE, Boston, Mass., Feb. 18, 1907.—Sealed proposals for rock excavation in Boston Harbor, Mass., will be received here until 12 M., March 20, 1907, and then publicly opened. Information on application. EDW. BURR., Maj., Engrs. 8-4t

CATSKILL AQUEDUCT.

New York, N. Y.

Sealed Bids will be received by the Board of Water Supply, at 299 Broadway, Room 911, New York, until 2 p. m., Monday, March 18, 1907, for the construction of portions of the Catskill Aqueduct, aggregating 10.73 miles in length.

At the above place and hour the bids will be publicly opened and read. The award of the contract, if awarded, will be made as soon thereafter as practicable.

The principal items in the Engineer's estimate of the work are as follows:

Excavation in open cut....	1,058,300 cu. yds.
Refill and embankment....	659,300 cu. yds.
Excavation and replacing of top soil for surface dressing	137,000 cu. yds.
Excavation in tunnels.....	170,000 cu. yds.
Concrete masonry for aqueduct in open cut.....	211,000 cu. yds.
Concrete masonry in tunnels	45,000 cu. yds.
Portland cement	340,000 bbls.
Steel for reinforcing concrete	125,000 lbs.
Stone boundary walls.....	84,000 lin. ft.
Fences and guard rails.....	63,000 lin. ft.

For other items see contract.

The bond required for faithful performance of the contract will be Five Hundred Thousand ($500,000) Dollars. No bid will be received or considered unless accompanied by either a certified check upon a National or State Bank in The City of New York, drawn to the order of the Comptroller, or money, to the amount of Seventy-five Thousand ($75,000) Dollars.

Time allowed for the completion of the work is 45 months after signing of contract.

Copies of a pamphlet containing further information for bidders, form for proposal, contract, and bond, approved by the Corporation Counsel, and specifications can be obtained at the office of the Board of Water Supply on application in person or by mail. Pamphlet of drawings may be obtained on payment of Five ($5) Dollars.

J. EDWARD SIMMONS,
President;
CHAS. N. CHADWICK,
CHAS. A. SHAW,
Board of Water Supply.
J. WALDO SMITH,
Chief Engineer,
THOS HASSETT,
Secretary. 8-4t

TRUNK SEWER AND TUNNEL.

White Plains, N. Y.

Pursuant to the Provisions of Chapter 646 of the Laws of New York, 1905.

Sealed bids addressed to the Chairman of the Bronx Valley Sewer Commission, and accompanied by a certified check for at least five per cent. of the amount bid for each section, will be received up to 1.30 P. M., March 20, 1907, for furnishing all the work and materials necessary for the water-tight and enduring construction of each one of the four sections which together comprise about 12 miles of reinforced circular concrete sewer, from 3 to 6 ft. in diameter, and about 3 miles of circular concrete lined tunnel, mostly 6½ and 8½ ft. in diameter.

Plans and specifications may be seen at the office of the Commission. The invitation to contractors, the form for bids, the specifications and the form of contract may be obtained from the Secretary of the Commission upon the payment of One Dollar, to be repaid when the same are properly used in bidding.

Form of bid must fulfil the requirements of the invitation, and be made out upon the printed form of bid as above obtained, and the Commission reserves to itself the right to reject any or all bids or to accept that one or those whose acceptance will in its judgment best secure the public interest and the efficient performance of the work mentioned.

FRANK N. GLOVER,
Secretary.
Office of the Commission, No. 2 Grand St., February 16, 1907. 8-4t

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., February 13, 1907.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 23d day of March, 1907, and then opened, for the construction (except elevators, heating apparatus, electric wiring and conduits, nests of metal front post-office boxes and letter drops in screens, and interior lighting fixtures) of the U. S. Post Office and Court House, at Green Bay, Wisconsin, in accordance with the drawings and specification, copies of which may be had at this office, or at the office of German and Lignell, Architects, Duluth, Minn., at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect. 8-2t

PAVING.

Titusville, Pa.

Sealed bids or proposals will be received by the City of Titusville, Pa., at City Hall, on the evening of March 11th, 1907, at the opening of the session of the Common Councils, for regulating, grading, paving and curbing, Main Street, from the East line of Spring Street to the East line of Boulevard, at which time and place the bids will be publicly opened and read by the City Clerk.

Bids will be asked for on Vitrified Brick and Block, Wood Block, Asphalt Block, Sheet Asphalt, Sheet Asphalt with Brick Gutter, and Standard Bitulithic.

The approximate estimate of the work to be done will be as follows:

8,900 cubic yards of excavation.
23,800 square yards of pavement.
7,625 lineal feet of curbing.
360 lineal feet of circular curbing.
3,529 lineal feet of curbing reset.
10 O'Brien Receivers.

The Councils reserve the right to reject any or all bids.

All bids must be made upon regular formal bidding sheets.

Each bid or proposal must be accompanied by a Unconditional Certified Check, equal in amount to five (5) per cent. of the total amount of the bid, and payable to J. J. McCrum, City Treasurer, of the City of Titusville, Pa., which will be subject to forfeiture on the part of the Contractor, in case of failure on the part of the Contractor to enter into a written contract with the approved sureties if called upon to do so.

The City reserves the right to pay the whole or any portion of the cost of this improvement in City Bonds bearing 3½% interest for the city's portion, and Improvement Bonds bearing 4% interest for the property owner's portion of this improvement, to be accepted and taken by the Contractor at par in payment of any of the amounts due him, for any or all of the work done or materials furnished in this improvement.

W. M. DAME,
City Clerk.

Plans may be examined and specifications and bidding sheets obtained at the office of H. A. Holstein, City Engineer, City Hall, Titusville, Pa. 8-3t

LOCK-GATE OPERATING MACHINERY.

Charles River Basin Commission, Boston, Commonwealth of Massachusetts.

Sealed proposals will be received at the office of the Charles River Basin Commission, 367 Boylston Street, Boston, Mass., until 2.30 o'clock P. M., of Monday, March 18, 1907, for furnishing and erecting the machinery for operating two rolling caisson lock-gates. Pamphlets containing further information for bidders, forms of proposal, contract and specifications will be mailed to contractors who apply to the Chief Engineer, or may be obtained at his office, No. 367 Boylston Street, Boston, where also plans may be seen. The printed form must be used in making proposals. The Commission reserves the right to reject any or all proposals and to accept the proposal deemed best for the Commonwealth. HENRY S. PRITCHETT, Chairman HENRY D. YERXA, JOSHUA B. HOLDEN, Charles River Basin Commission; HIRAM A. MILLER, Chief Engineer; WILLIAM S. YOUNGMAN, Secretary. 8-2t

DEPARTMENT OF THE INTERIOR.—Office of the Superintendent, U. S. Capitol Building and Grounds, Washington, D. C., February 8, 1907.—Sealed proposals (in duplicate) will be received and opened at the above office, at 12 o'clock, noon, on Wednesdays, April 3, 1907, for furnishing all plumbing fixtures for the House of Representatives office building. Plans and specifications can be had on application to the above office. A certified check in the sum of twenty-five dollars ($25.00) will be required from the intending bidder as a guarantee for the return of the plans and specifications, after the award of the contract. Bids must be accompanied by certified check or surety bond in the sum of 5% of the amount of bid. Contract will require approved surety bond in the sum of 50% of the amount of contract. The right is reserved to reject any or all bids, or to waive any technicality or informality in any bid. ELLIOTT WOODS, Superintendent U. S. Capitol Building and Grounds. Approved E. A. HITCHCOCK, Secretary. 7-4t

WEST POINT, N. Y., February 20, 1907.—Sealed proposals, in triplicate, will be received here until 12 o'clock, noon, March 22, 1907, for supplying Steel Wall Lockers, as per specifications in this office. The United States reserves the right to accept or reject any or all proposals, or any part thereof. Forms for proposals furnished upon application. Address QUARTERMASTER, West Point, N. Y. 8-4t

U. S. ENGINEER OFFICE, Cincinnati, Ohio, February 18, 1907.—Sealed proposals for construction of ten pontoons will be received here until 2 p. m., March 20, 1907, and then publicly opened. Information on application. WM. T. ROSSELL, Lt.-Col., Engrs. 8-4t

CAST-IRON WATER PIPE.

Springfield, Mass.

Sealed bids will be received at this office until twelve o'clock noon, Saturday, March 2, 1907, for the following approximate amounts of cast-iron water pipe:

Size of pipe Inches.	Number of 12 ft. Lengths.	Weight per Length.
6	766	380 lbs.
88	582	575 "
10	128	810 "
12	178	1040 "
30	630	3600 "
36	206	5900 "

In addition to the above about 80,000 lbs. of special castings will be needed. Bids to be made f. o. b. Springfield, Mass., and may be for any part or the whole of the above. The bidder is to specify the date of delivery, and make same as early as possible. This pipe is to conform to the New England Water-Works specifications.

The right is reserved to reject any and all bids. E. E. STONE, Chairman,
8-1t Board of Water Commissioners.

DEPARTMENT OF THE INTERIOR, U. S. Geological Survey, Reclamation Service, Washington, D. C., February 12, 1907.—Sealed proposals will be received at the office of the United States Reclamation Service, Portland, Oregon, until 2 o'clock p. m., April 15, 1907, for the excavation of the Keno Canal, near Klamath Falls, Klamath project, Oregon, California, involving about 80,000 cubic yards of earth and rock excavation. Plans, specifications and forms of proposal may be obtained by application to the Chief Engineer of the United States Reclamation Service, Washington, D. C., the Supervising Engineer, 307 Tilford Building, Portland, Oregon, or the Project Engineer, Klamath Falls, Oregon. 8-4t

SEALED PROPOSALS, endorsed "Proposals for Steel Tank and Tower," will be received at the Bureau of Yards and Docks, Navy Department, Washington, until 11 o'clock a. m., March 30, 1907, and then and there publicly opened, for a 100,000-gallon elevated steel water tank and tower at the Naval Hospital, New Fort Lyon, Bent County, Colo. Plans and specifications will be furnished by this Bureau or by the Medical Officer in command of Hospital, Las Animas, Colo. H. H. ROUSSEAU, Chief of Bureau, February 15, 1907. 8-2t

DEPARTMENT OF THE INTERIOR, UNITED STATES GEOLOGICAL SURVEY, Reclamation Service, Washington, D. C., February 14, 1907.—Sealed proposals will be received at the office of the United States Reclamation Service, Huntley, Montana, until 3 o'clock p. m., March 12, 1907, for furnishing 55,000 barrels of Portland cement f. o. b. cars at works of bidder. Particulars may be obtained by application to the Chief Engineer of the Reclamation Service, Washington, D. C., to the Supervising Engineer, Huntley, Montana, or to the Supervising Engineer, Crawford, Nebraska. E. A. HITCHCOCK, Secretary. 8-3t

DEPARTMENT OF THE INTERIOR, U. S. Geological Survey, Reclamation Service, Washington, D. C., February 14, 1907.—Sealed proposals will be received at the office of the United States Reclamation Service, Belle Fourche, South Dakota, until 3 o'clock p. m., April 10, 1907, for the construction of sections 2 to 8 of the South Canal with appurtenant structures, involving approximately 900,000 cubic yards of canal excavation, 7,200 cubic yards of concrete and 1,295 linear feet of tunnel, in connection with the Belle Fourche Project, South Dakota. Plans, specifications and proposal blanks may be obtained from the United States Reclamation Service, Washington, D. C., Crawford, Nebraska or Belle Fourche, South Dakota. E. A. HITCHCOCK, Secretary. 8-2t

Situations Wanted

Mechanical and Electrical Engineers.

ENGINEER, electrical and mechanical, of marked executive ability in the manufacture and execution of electrical hoisting and other machinery. Salary, $3,600. Address, "I. A. 8," Engineering News, New York. 8-1t

MECHANICAL ENGINEER, technical graduate, 15 years' varied experience, especially steam power plants, heating and ventilating and general mechanical equipment; capable of taking responsible charge. Excellent references. Address "K. A. 7," Engineering News, New York. 8-1t

Civil Engineers.

GRADUATE CIVIL ENGINEER, at present employed by firm of building contractors, wishes position with concern needing a man in charge of their building operations. Competent to handle the work from the plans to the completed building. Address "M. A. 8," Engineering News, New York. 8-2t

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YOUNG MAN, having experience as chainman, rodman, computer, understands transit, level, can do office work and drafting, desires position. Address "A. B. 8," Engineering News, New York. 8-1t

INSTRUMENTMAN, experi[illegible]d on heavy railroad construction and [illegible]ila work, desires position; fair dra[illegible]n. Address "R. A. 8," Engineering [illegible]s, New York. 8-4t

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Superintendents, M[illegible]., etc.

YOUNG MAN, with technic[illegible]nd business college education, desires [illegible]ion. Experience as follows: clerk an[illegible] stenographer to Chief Engineer Railro[illegible] timekeeper, bookkeeper and general m[illegible] chief clerk and secretary to general [illegible]anager, inspector of heavy grading [illegible]k, etc., for contracting company. Will be open for engagement 1st to 15th Ma[illegible]h. Best references. Address "Z. A. 8," Engineering News, New York. 8-1t

EXPERIENCED FOREMAN, [illegible]uiring labor at the same time; full [illegible]rence. Address "K. A. 8," Engineering News, New York. 8-2t

ARCHITECT and construction engineer, by technical graduate of experience; connection with engineering firm or corporation designing power plants, railroad layouts and buildings, industrial buildings, reinforced concrete, ranch and large farm layouts, etc. Location of slight moment; desiring change. Address "X. A. 8," Engineering News, New York. 8-1t

REINFORCED CONCRETE SUPERINTENDENT of wide experience open for engagement; special knowledge of economical detailing of firm work and economical design of buildings. Familiar with general construction and excavation. Address "O. A. 8," Engineering News, New York. 8-1t

EXPERIENCED ENGINEER now open for engagement; experienced on construction of steam and electrical roads, design and construction of reinforced concrete; am good draftsman and familiar with all work coming up on railroad construction in both field and office. Age 28. Address "P. A. 8," Engineering News, New York. 8-1t

SITUATIONS OPEN

WANTED—Chainmen, Rodmen, Instrumentmen and Inspectors. Large New York City work. State age, experience, and references. Address "S. A. 8," Engineering News, New York. 8-1t

WANTED—Strong young man to act as rodman, etc., on construction work. State age, experience and salary expected. Address "C. B. 8," Engineering News, New York. 8-1t

WANTED—By a General Contracting concern, an estimator, thoroughly familiar with all branches of building work. Give references and state salary expected. Address "B. B. 8," Engineering News, New York. 8-1t

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Civil or Structural Engineer

knowing something about beams, etc., wanted, as assistant manager for old, well-known dividend-paying construction company. Rated $75,000 A1. Must invest, dividend-paying securities. Ample salary. Address "A. 8," Engineering News, New York. 8-1t

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for structural and mill design; also leading man competent to take charge of office; one with knowledge of surveying and leveling preferred. State experience and salary expected. Address "F. 8," Engineering News, New York. 8-1t

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AN ALTERNATING CURRENT ELECTRICAL ENGINEER, with technical education; experienced in electrical design, construction and installation. Experience as teacher not essential. Address "W. A. 8," Engineering News, New York. 8-1t

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FOR SALE.

Armington & Simms Engines

No. 2274 SIMPLE HORIZONTAL, Stroke 18, Piston Diameter 18½ in.....$700
No. 5423 SIMPLE HORIZONTAL, Stroke 18, Piston Diameter, 24 in.....$700
RICHARD L. LEE, 1 Broadway, New York. 8-1t

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